

Fig. 1

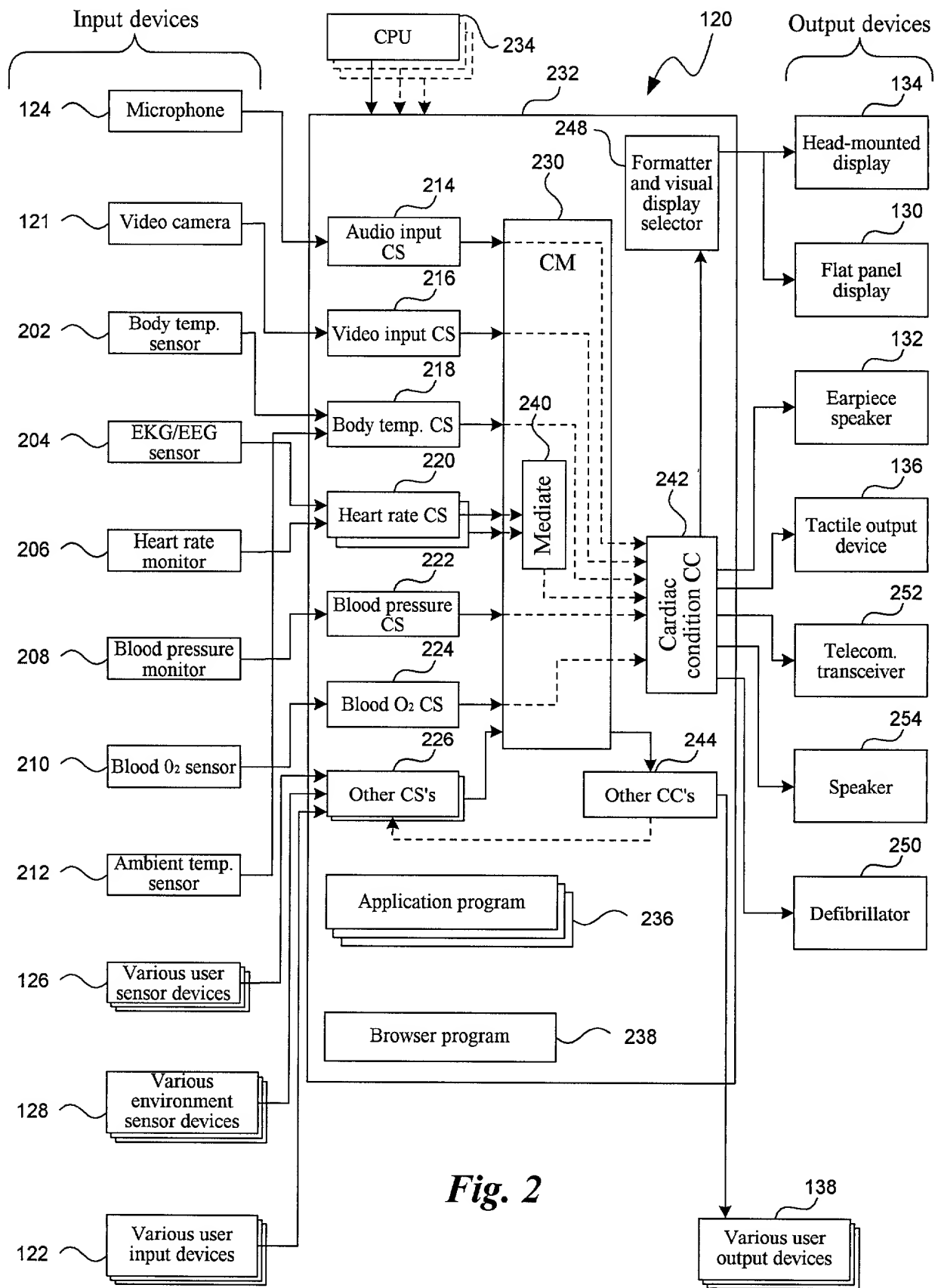
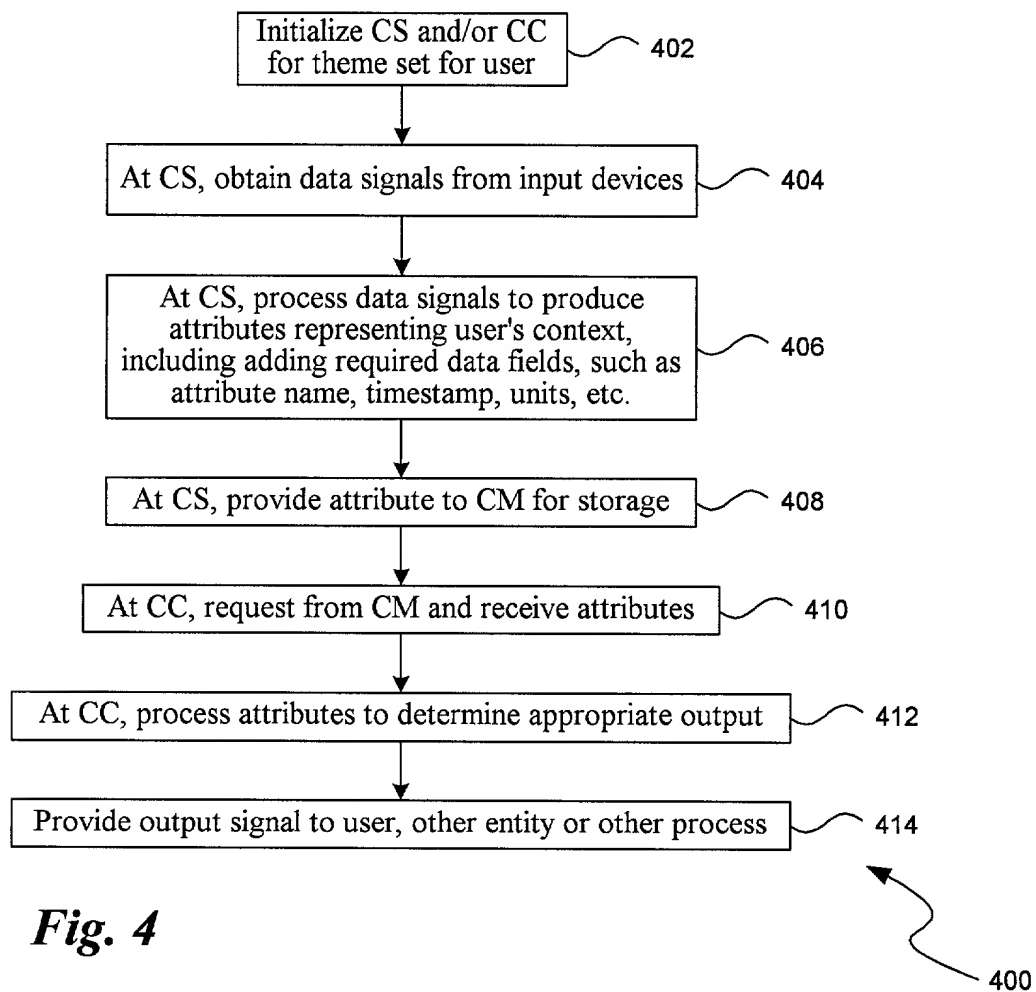
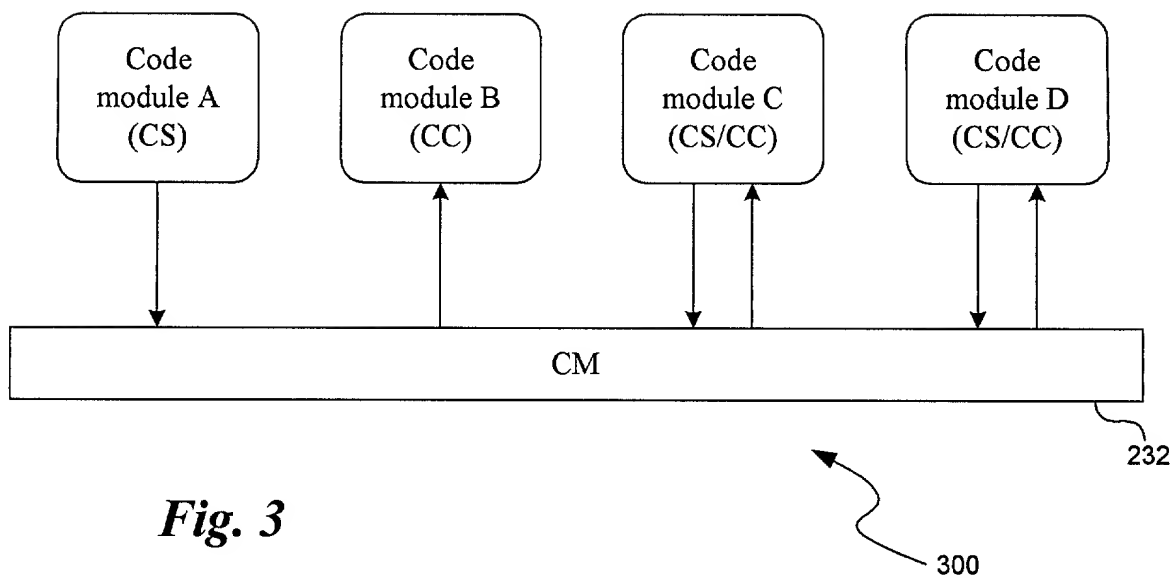


Fig. 2



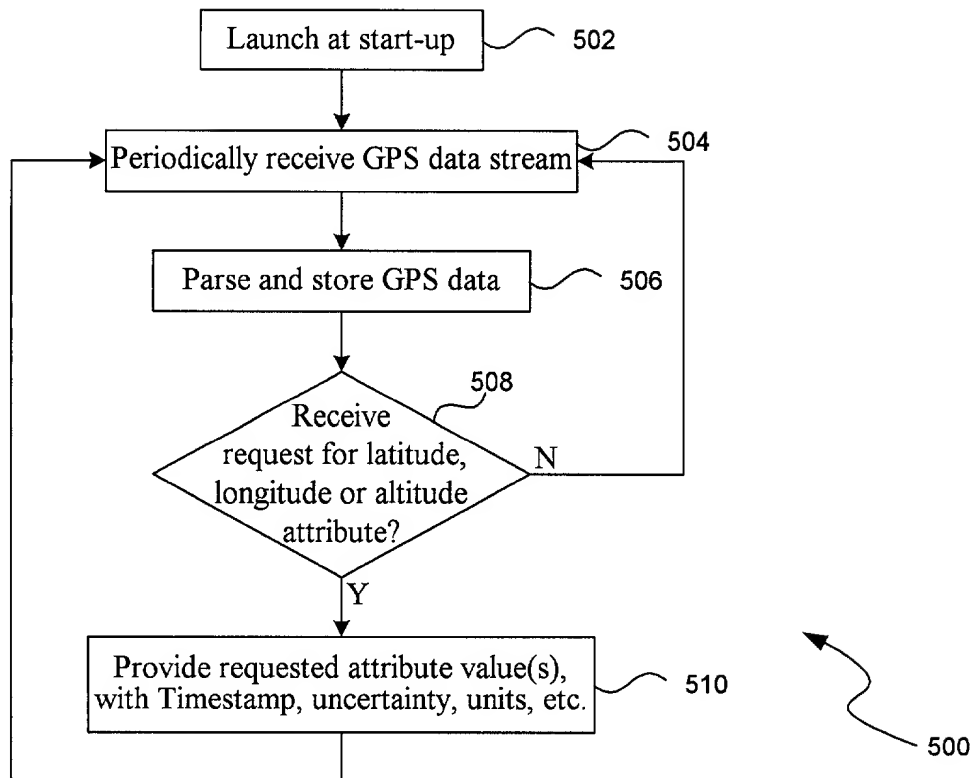


Fig. 5A

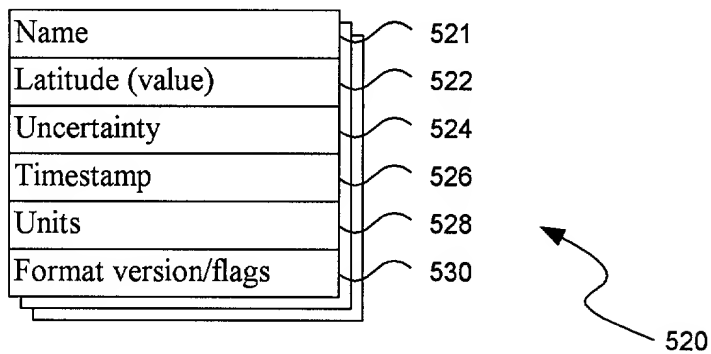


Fig. 5B

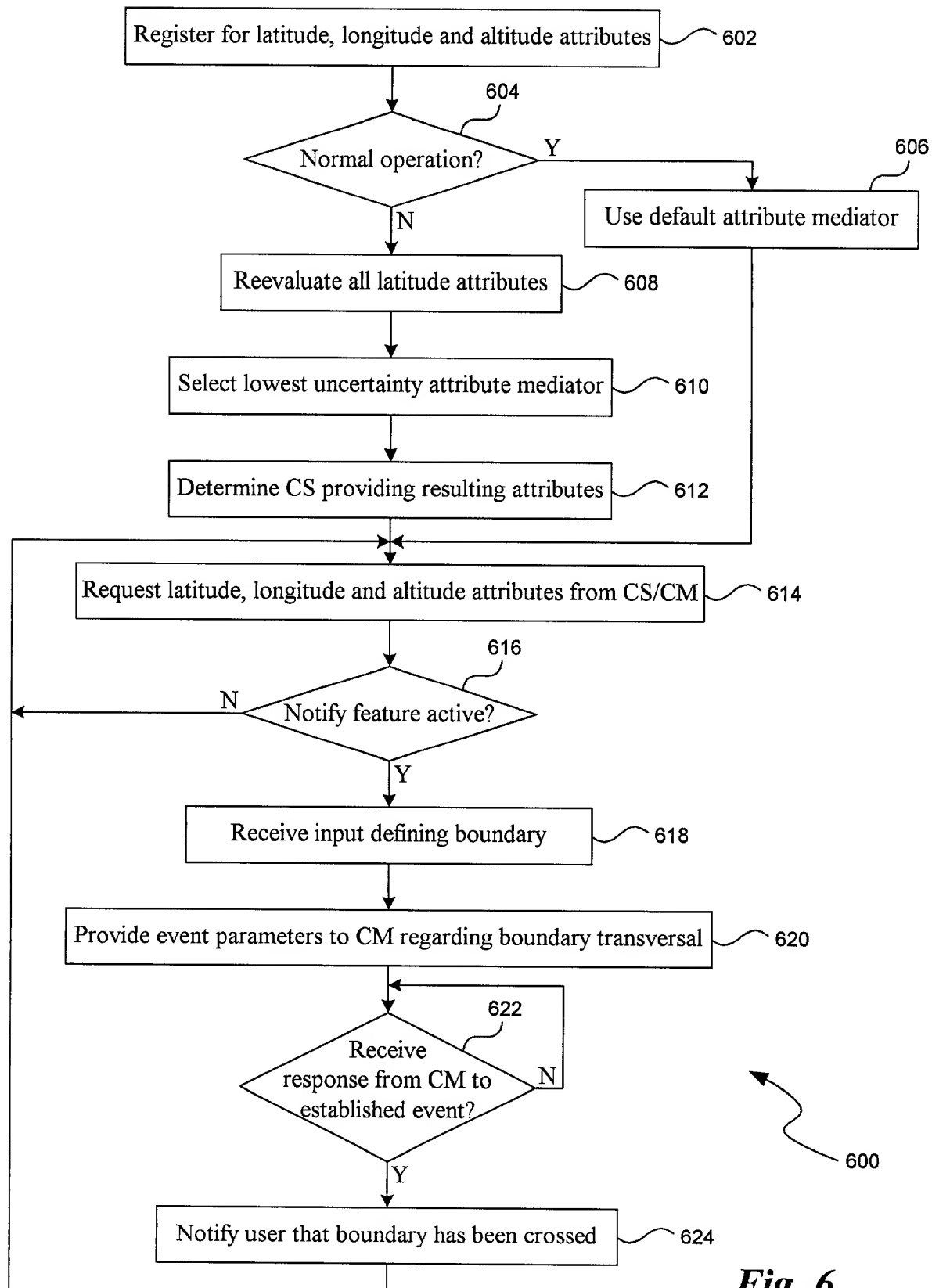


Fig. 6

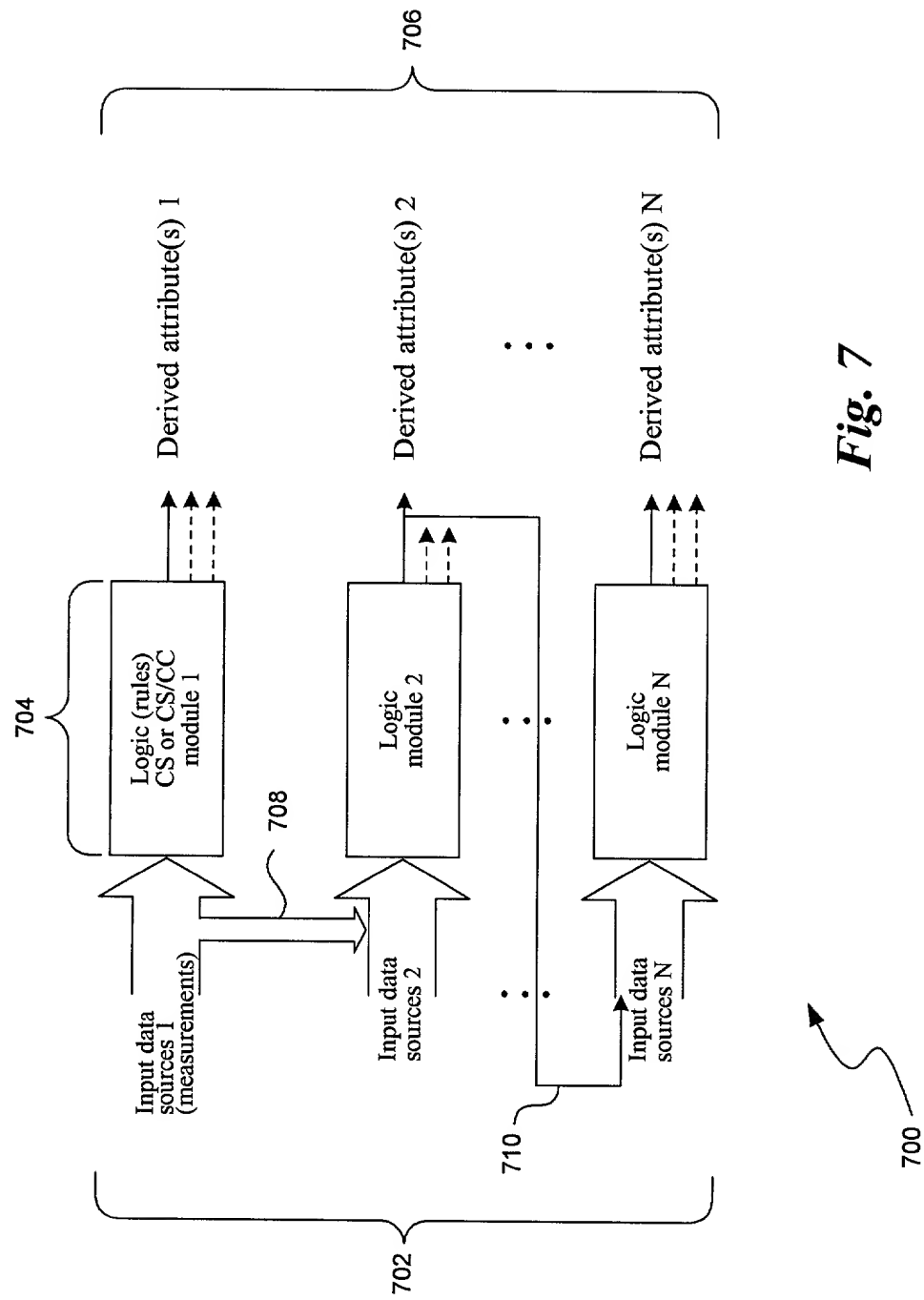


Fig. 7

User.

Desired_privacy_level
 Interruptibility
 Speed
 Direction
 Acceleration
 Availability.
 Cognitive_availability
 Tactile_availability
 Manual_availability
 Visual_availability
 Oral_availability
 Auditory_availability
 Proximity.<Item or place name>
 Mood.

Happiness
 Sadness
 Anger
 Frustration
 Confusion

Activity.

Driving
 Eating
 Running
 Sleeping
 Talking
 Typing
 Walking

Location.

Place_name
 Latitude
 Longitude
 Altitude
 Room
 Floor
 Building
 Address
 Street
 City
 County
 State
 Country
 Postal_Code

Destination. (same as User.Location.)

Physiology.

Pulse
 Body_temperature
 Blood_pressure
 Respiration

Person.<name or ID>. (same as User.)

Platform.**UI.**

Oral_input_device_availability
 Manual_input_device_availability
 Tactile_output_device_availability
 Visual_output_device_availability
 Auditory_output_device_availability

Platform. (continued)**CPU.**

Load
 Speed

Memory.

Total_capacity
 Used

Storage.

Total_capacity
 Used

Connectivity.

Connection_status
 Connection_speed
 Connection_type/device
 Connection_activity

Power.

Power_source
 Power_level

Environment.**People.**

Nearest
 Number_present
 Number_close

Local.

Time
 Date
 Temperature
 Pressure
 Wind_speed
 Wind_direction
 Absolute_humidity
 High_forecast_temperature
 Low_forecast_temperature
 People_present
 Ambient_noise_level
 Ambient_light_level
 Days.<previous or future>.
 High_temperature
 Low_temperature
 Precipitation_type
 Precipitation_amount

Place.<place name>. (same as Environment.Local)

Application.**Mail.**

Available
 New_messages_waiting
 Messages_waiting_to_be_sent

Phone.

Available
 In_use
 On/off
 Notification_mechanism
 Call_incoming
 Caller_ID

Sound_recorder.

Available
 Recording

Fig. 8

User Setting

Mental Context

Meaning

Cognition

Divided User Attention

Task Switching

Background Awareness

Solitude

Privacy

Desired Privacy

Perceived Privacy

Social Context

Affect

Physical Situation

Body

Biometrics

Posture

Motion

Physical Encumberment

Senses

Eyes

Ears

Tactile

Hands

Nose

Tongue

Workload demands/effects

Interaction with computer devices

Interaction with people

Physical Health

Environment

Time/Space

Objects

Persons

Audience/Privacy Availability

Scope of Disclosure

Hardware affinity for privacy

Privacy Indicator for User

Privacy Indicator for Public

Watching Indicator

Being Observed Indicator

Ambient Interference

Visual

Audio

Tactile

Computer

Power

Configuration

User Input Systems

Hand/Haptic

Keyboard/Keystrokes

Voice/Audio

Eye Tracking

Cursors

Axis

Resolution

Selection

Invocation

Accelerators

Output Systems

Visual

Resolution

Audio

Public/Private

Haptic

External Resources

I/O devices

Connectivity

Data

Quantity/State

Urgency/Importance

Use of Prominence

Modality

Sensitivity/Purpose

Privacy Issues

Use of Association

Use of Safety

Source/Ownership

Types

User generated

Other computers or people

Sensor

PC State

Use of Association

Fig. 9

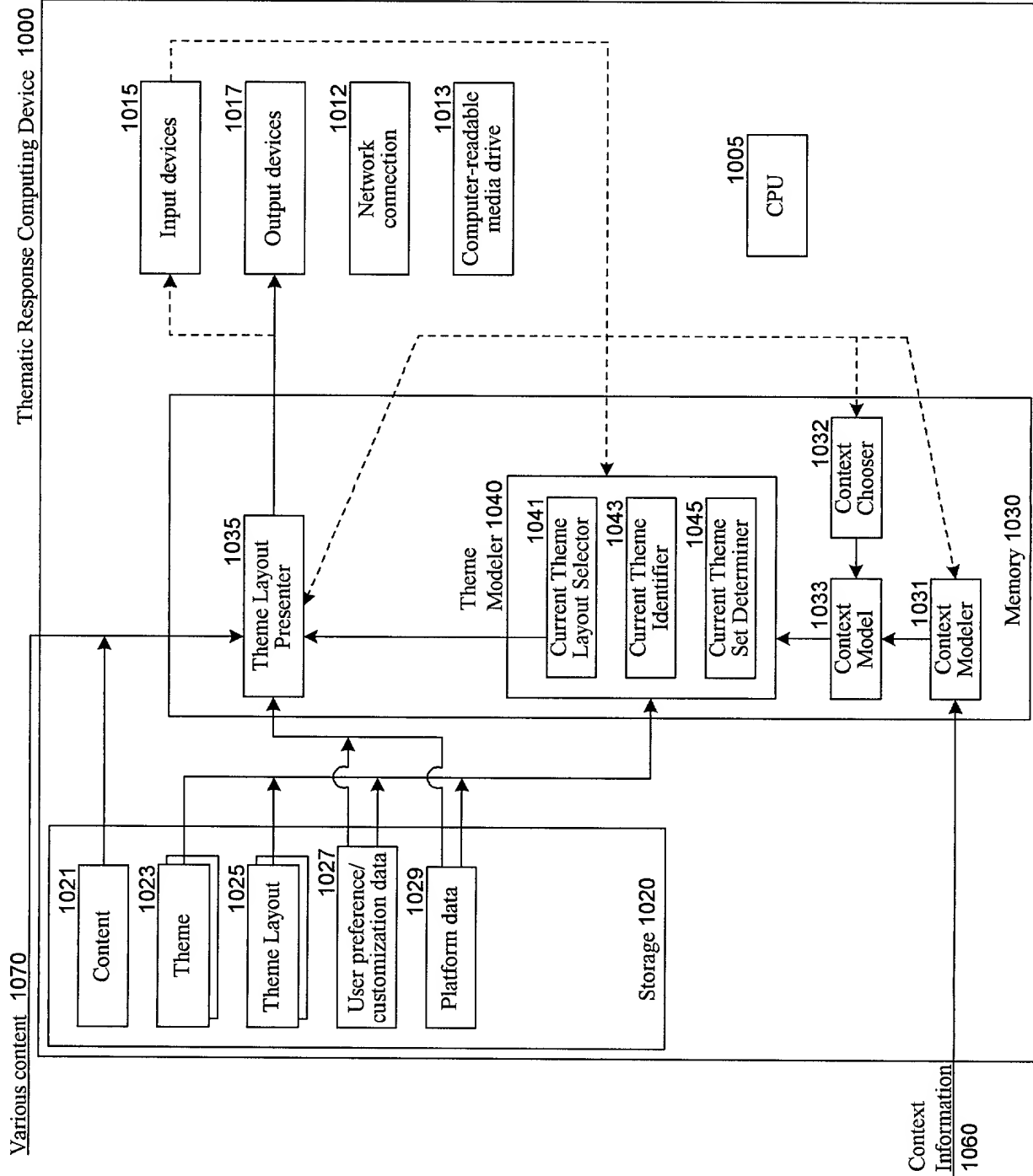


Fig. 10

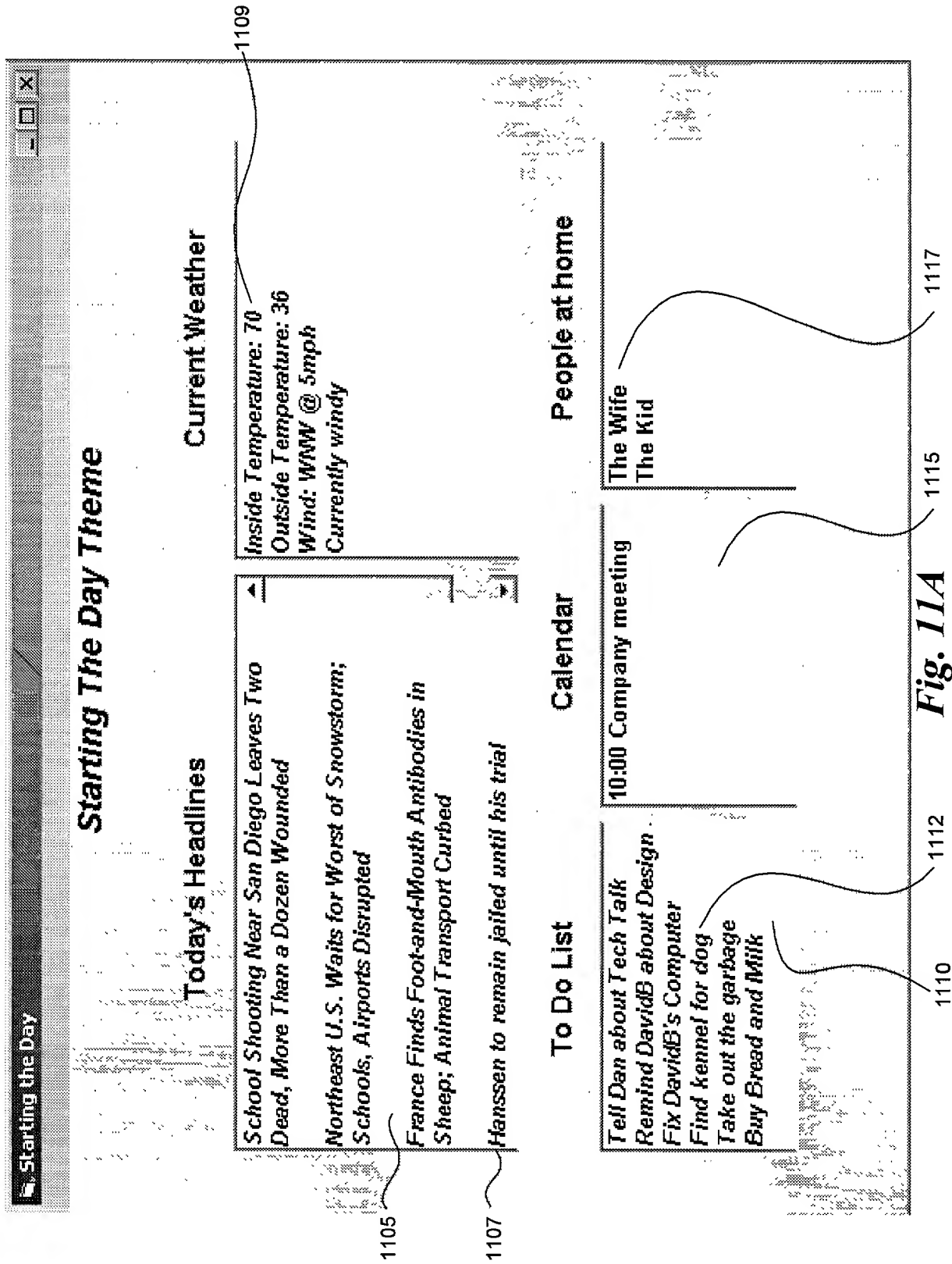


Fig. 11A

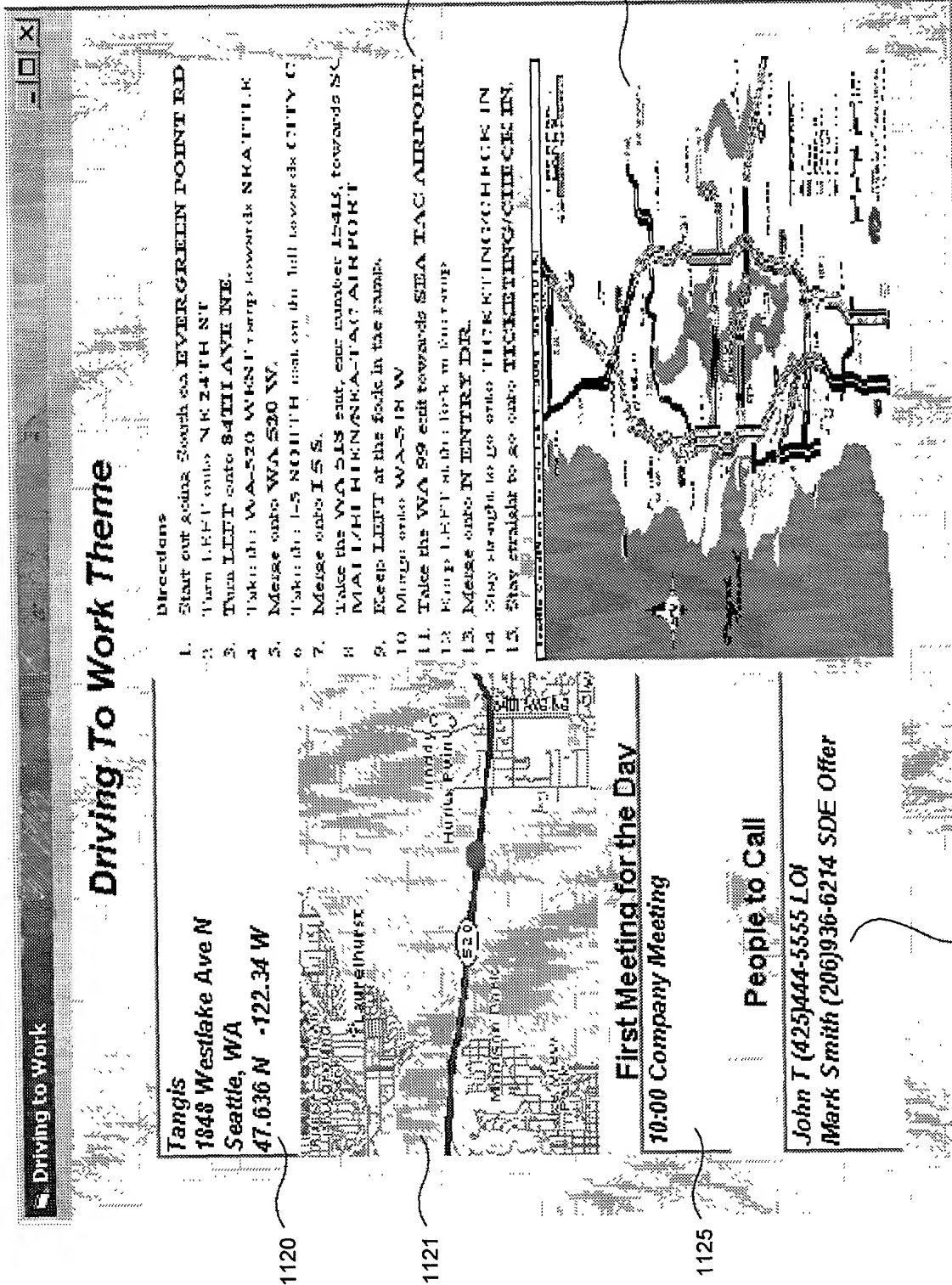


Fig. 11B

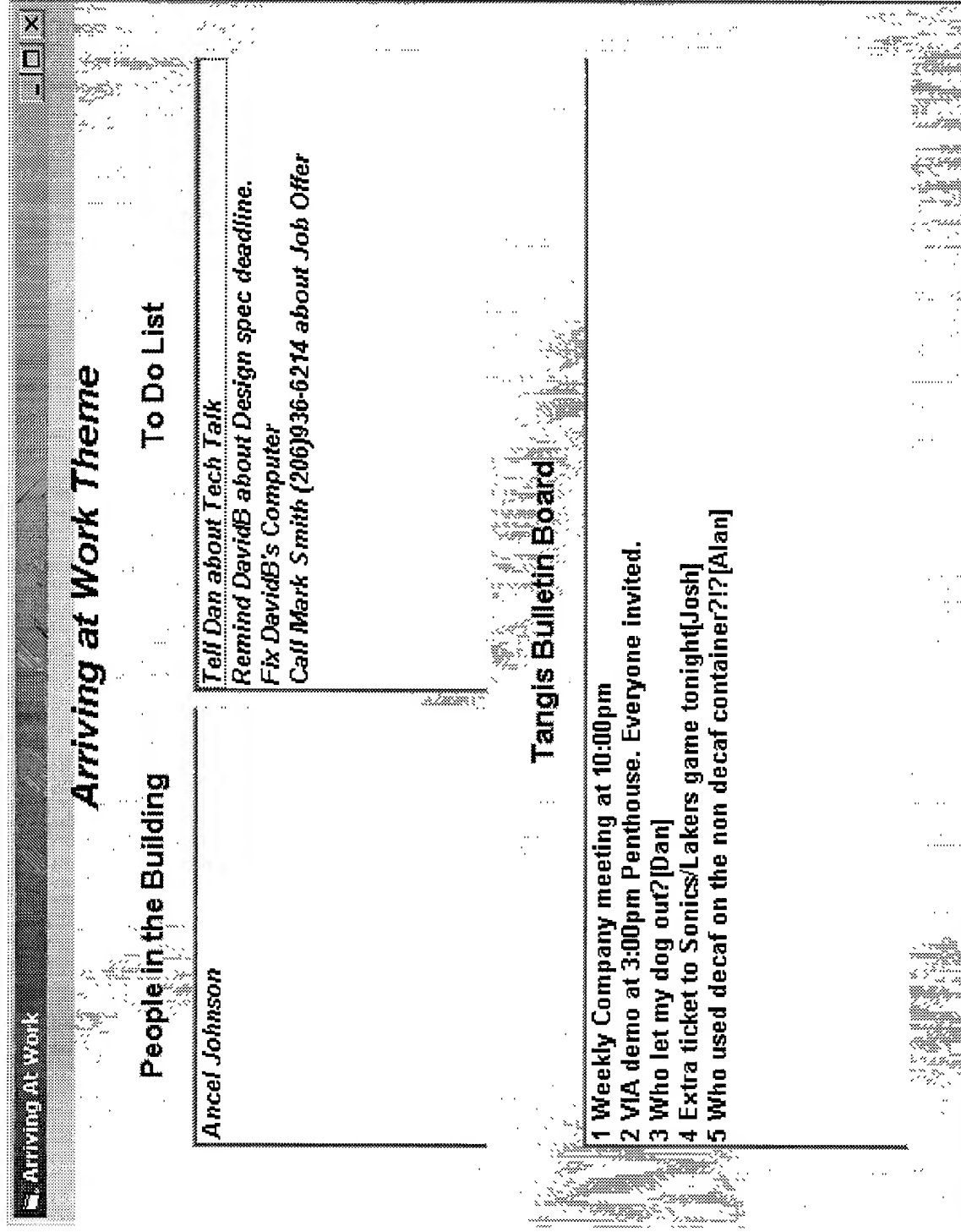


Fig. 11C

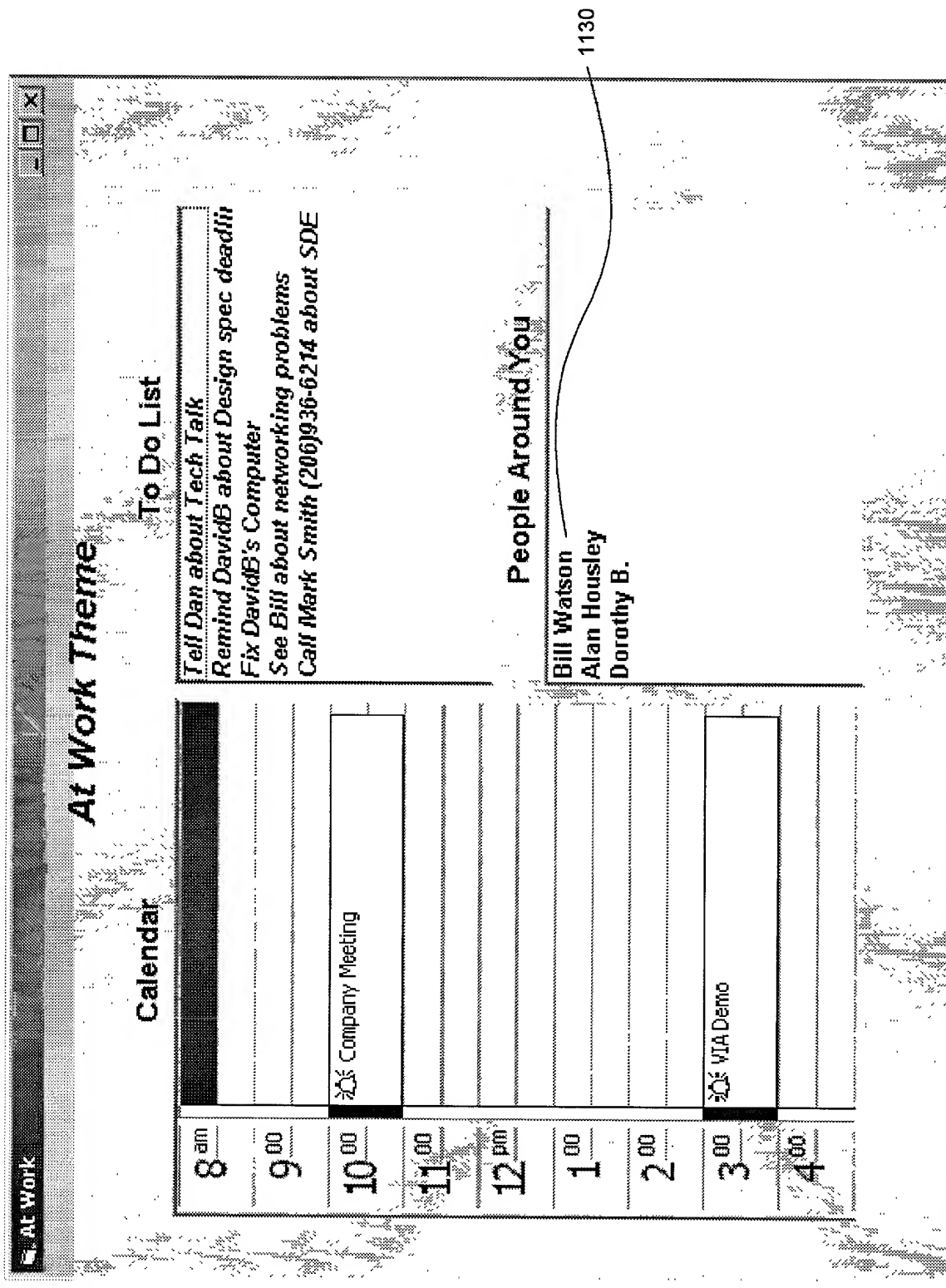


Fig. 11D

1135

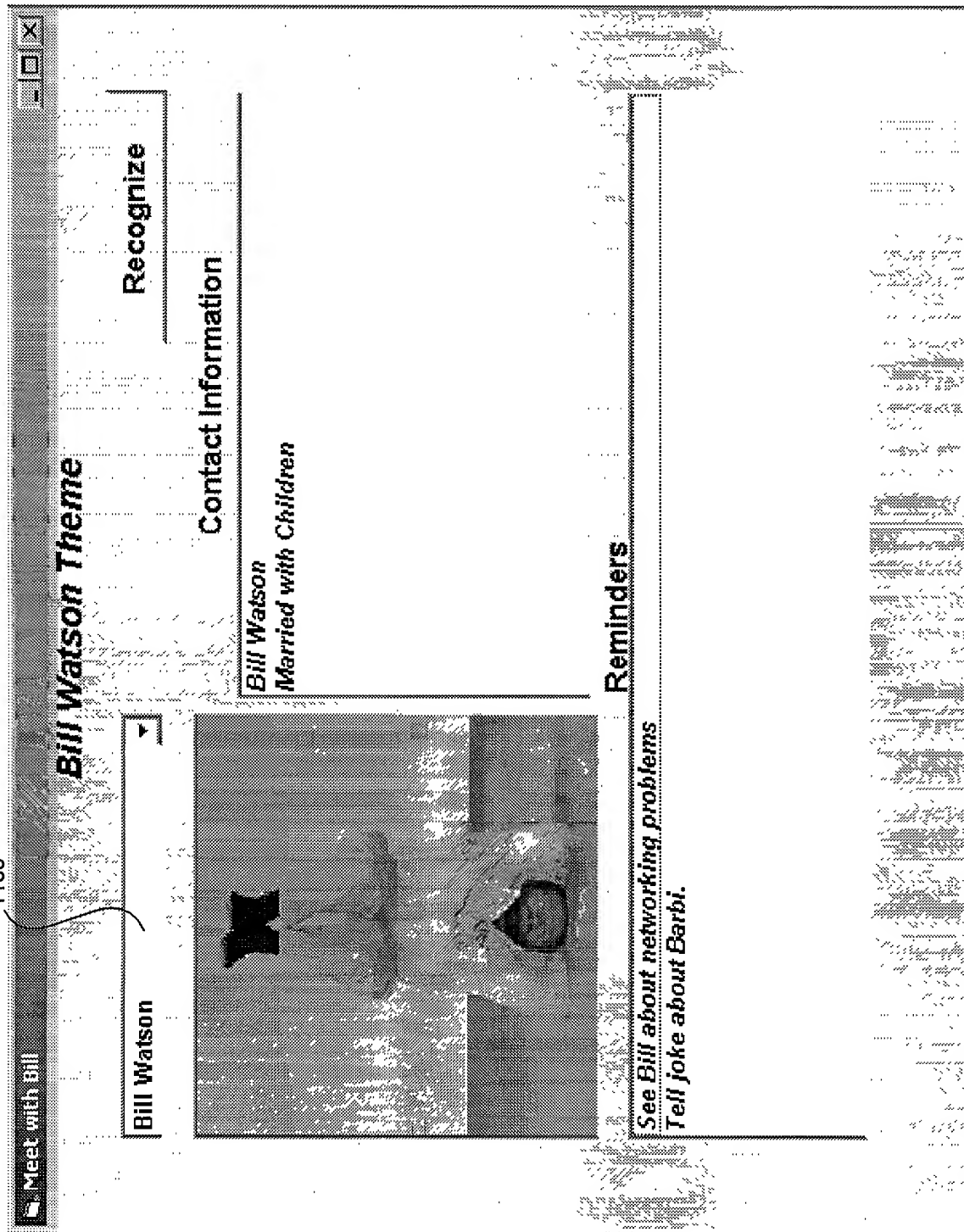


Fig. 11E

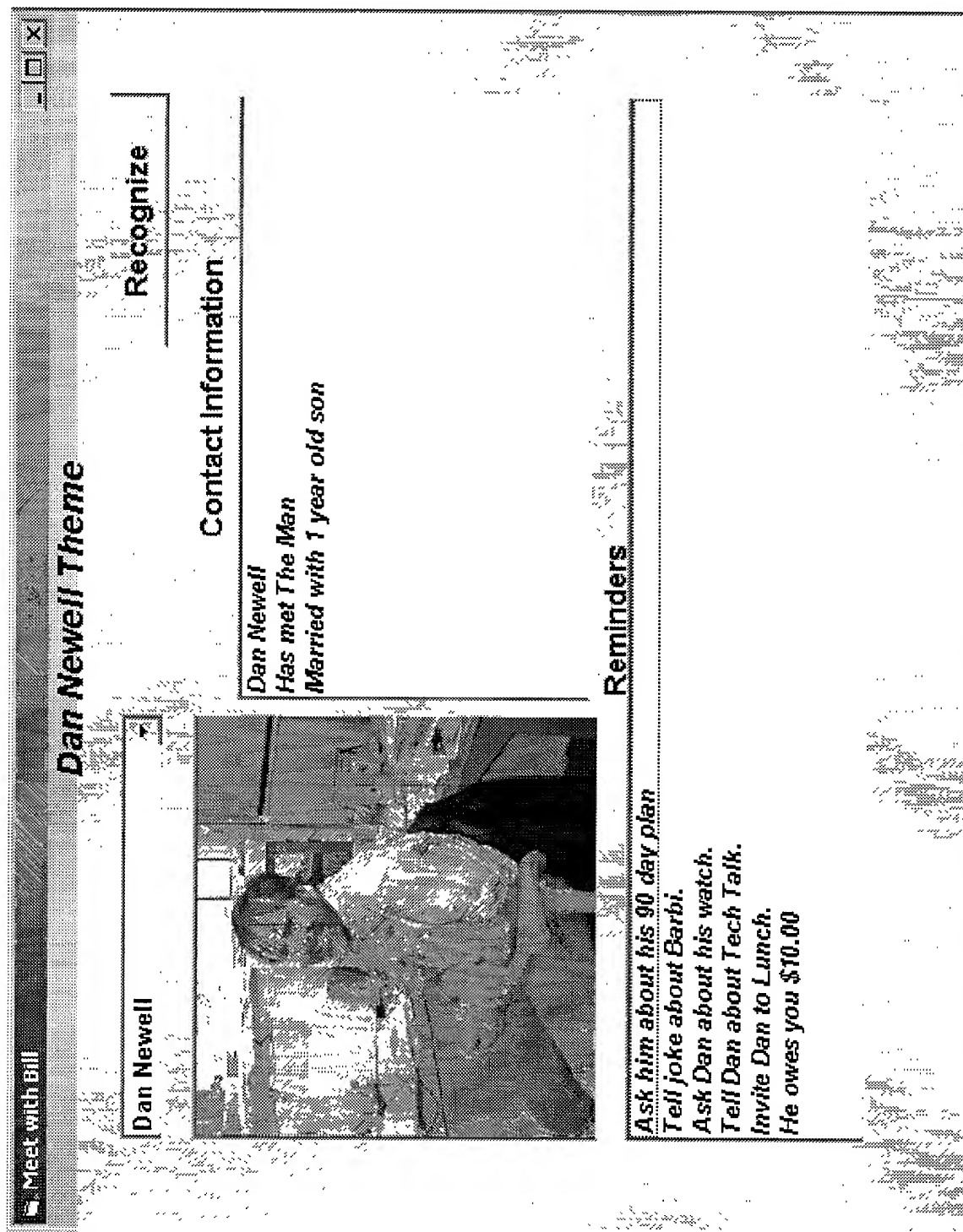


Fig. 11G

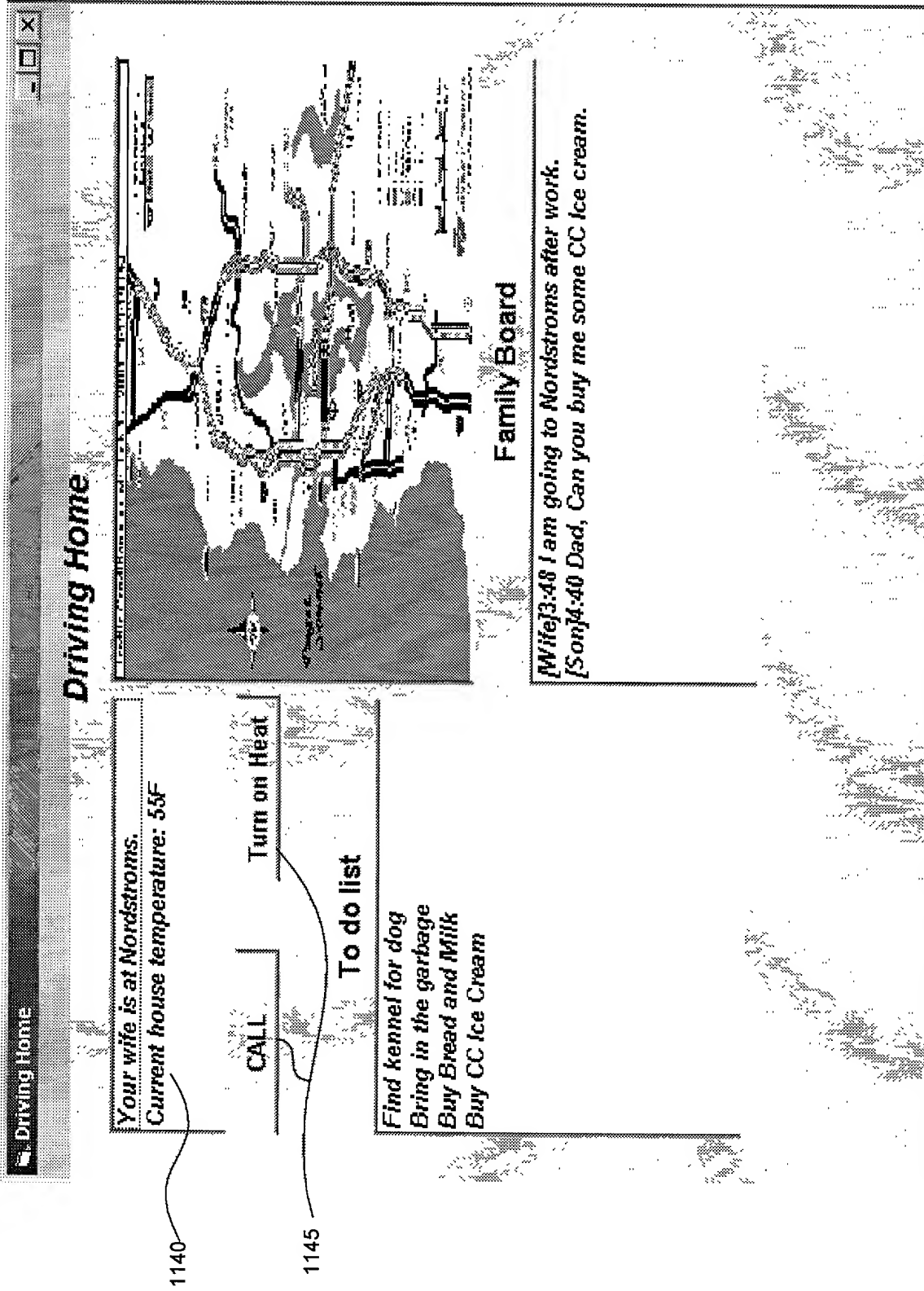


Fig. 11J

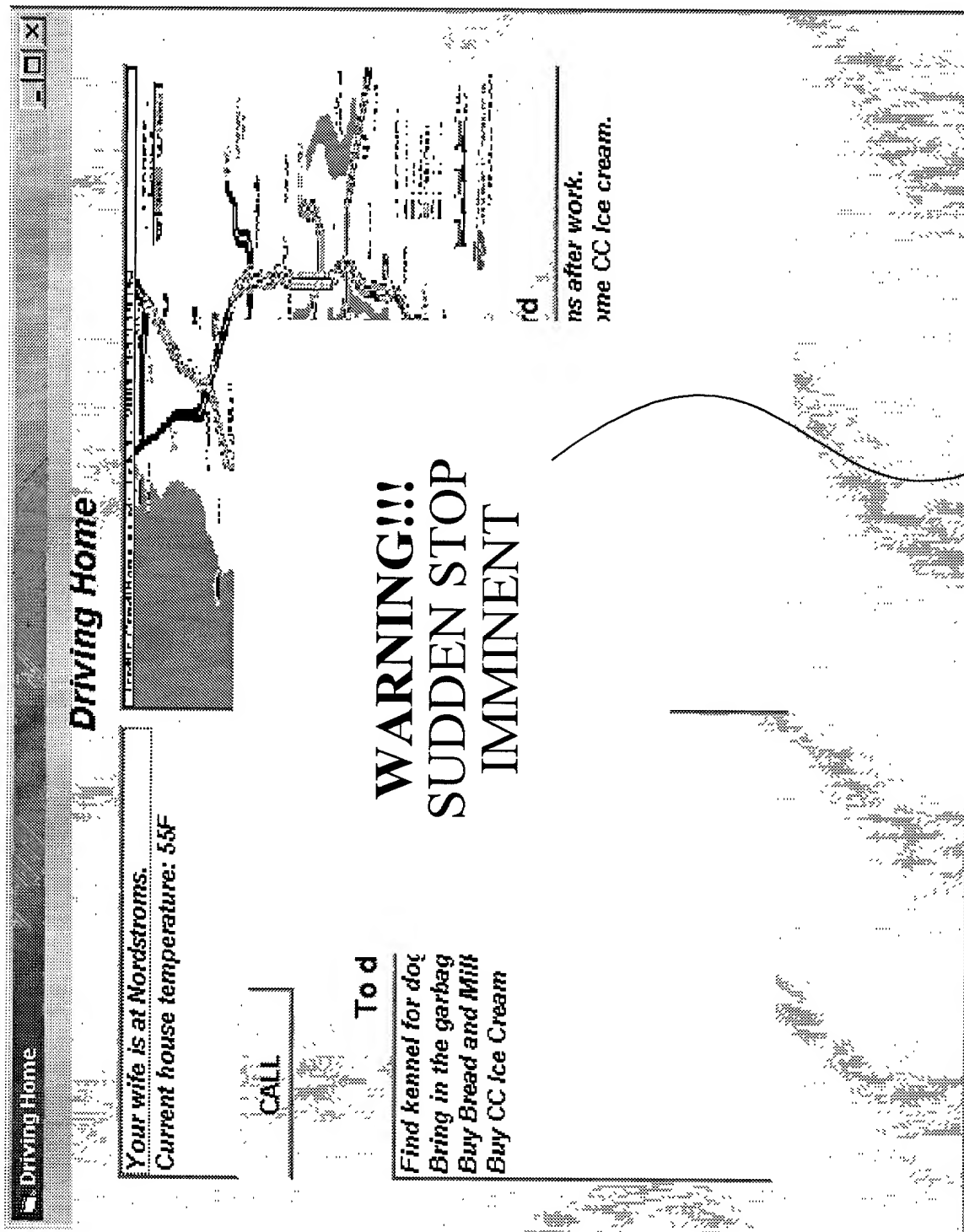


Fig. 11K 1190

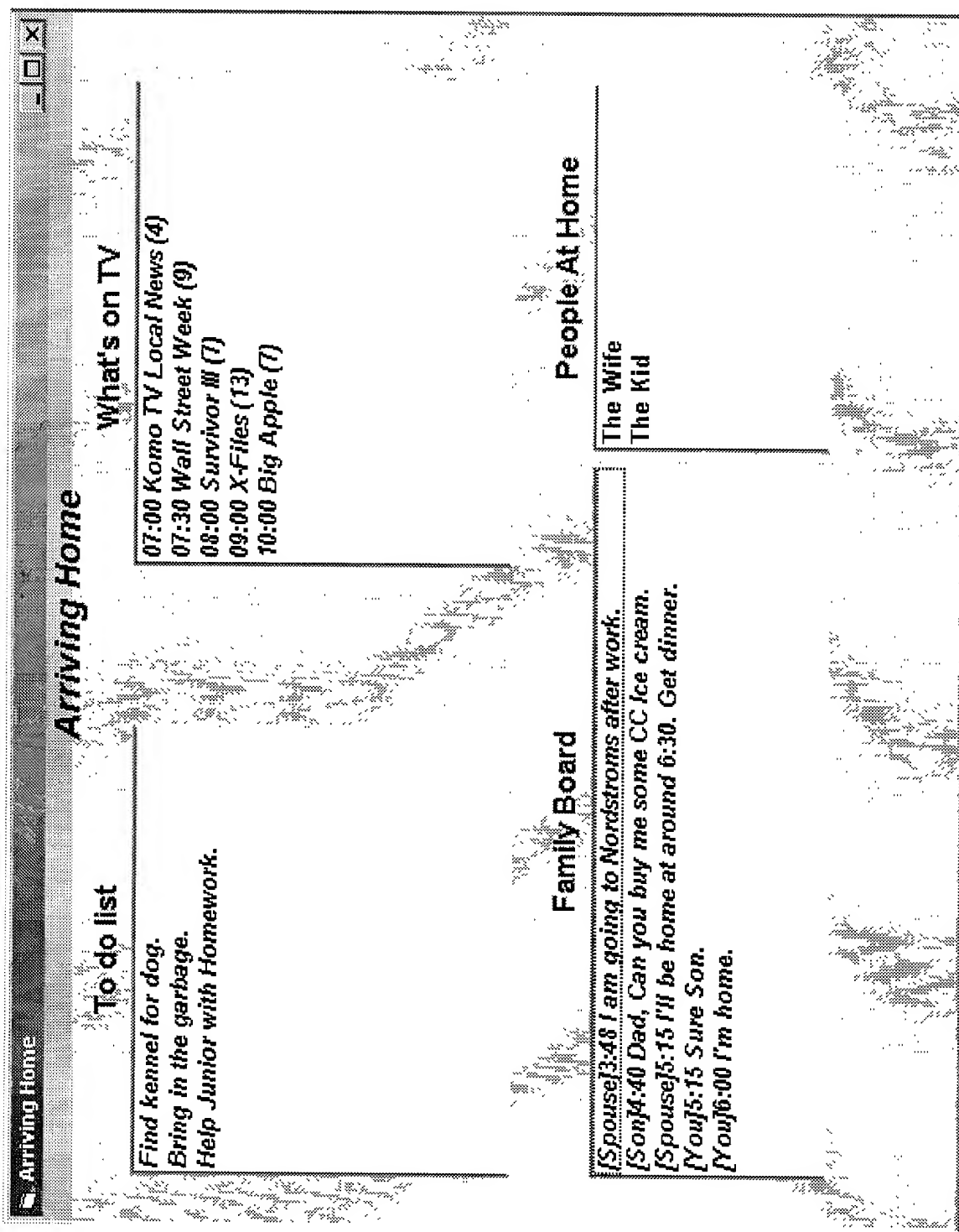


Fig. 11L

Example Current Theme Selection

Select A New Current Theme

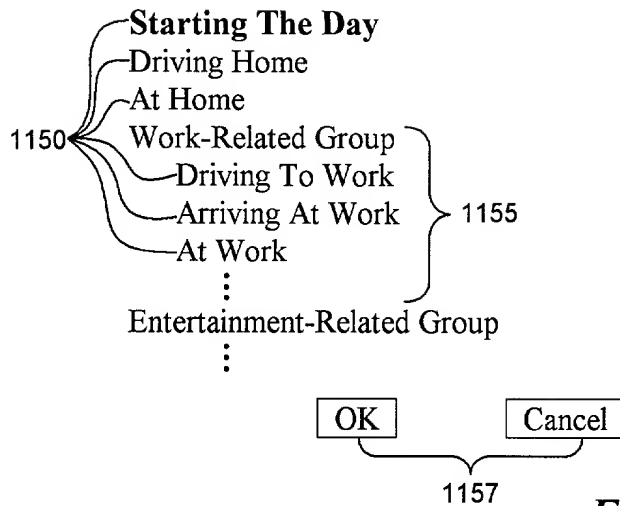


Figure 11M

Example Current Theme Set Modification

Current Theme Set

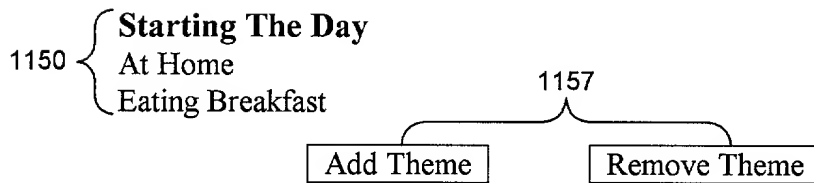


Figure 11N

Example Current Theme Layout Selection

Select A New Current Theme Layout

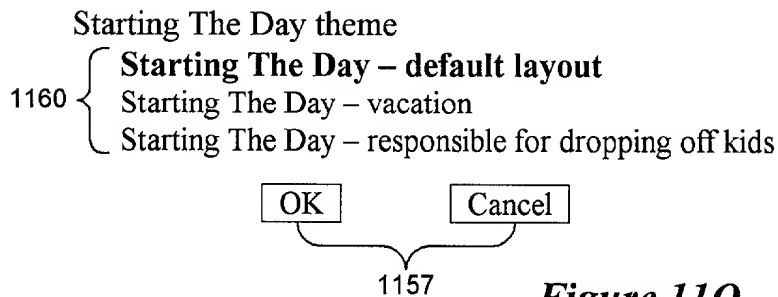


Figure 11O

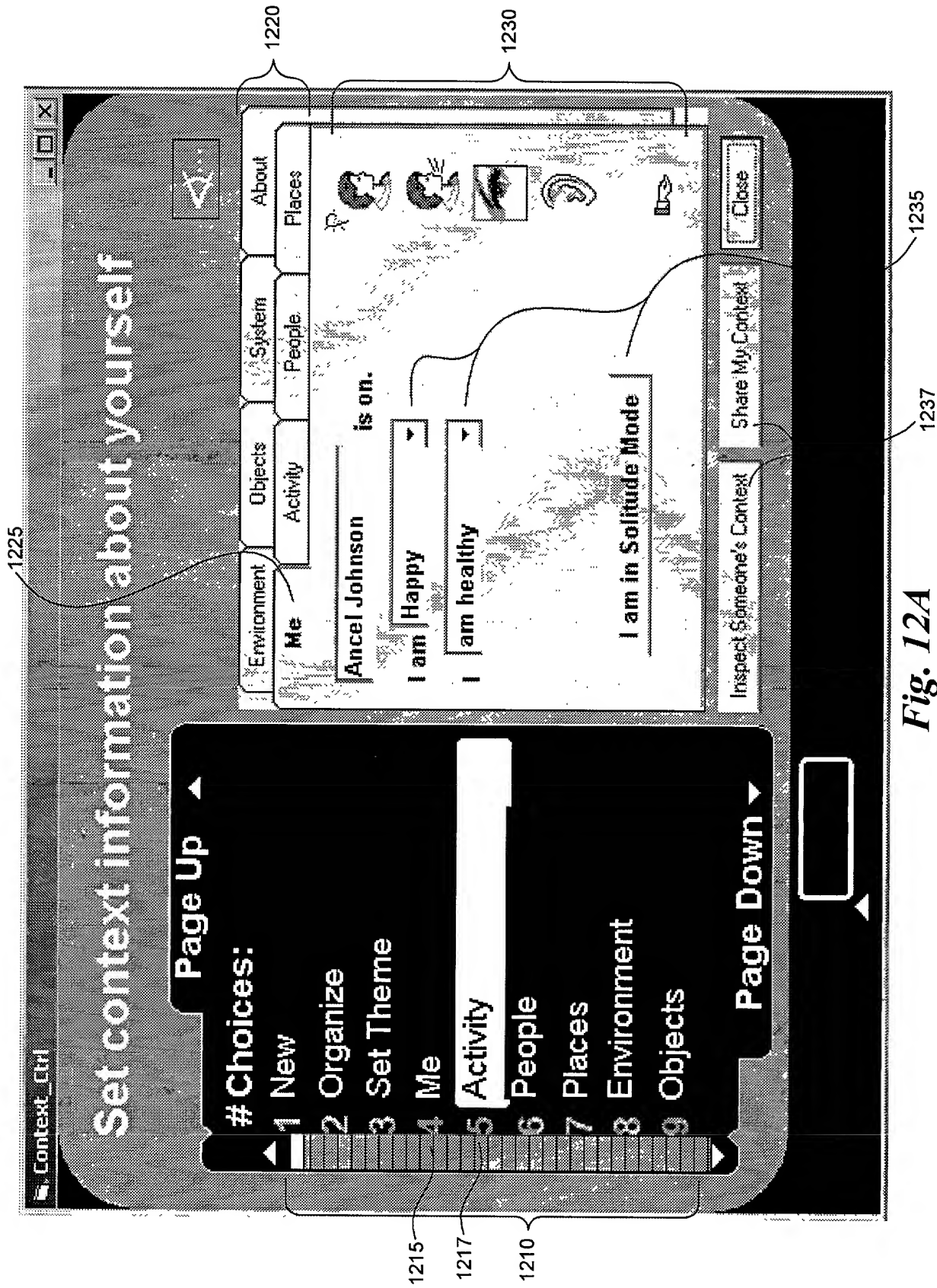
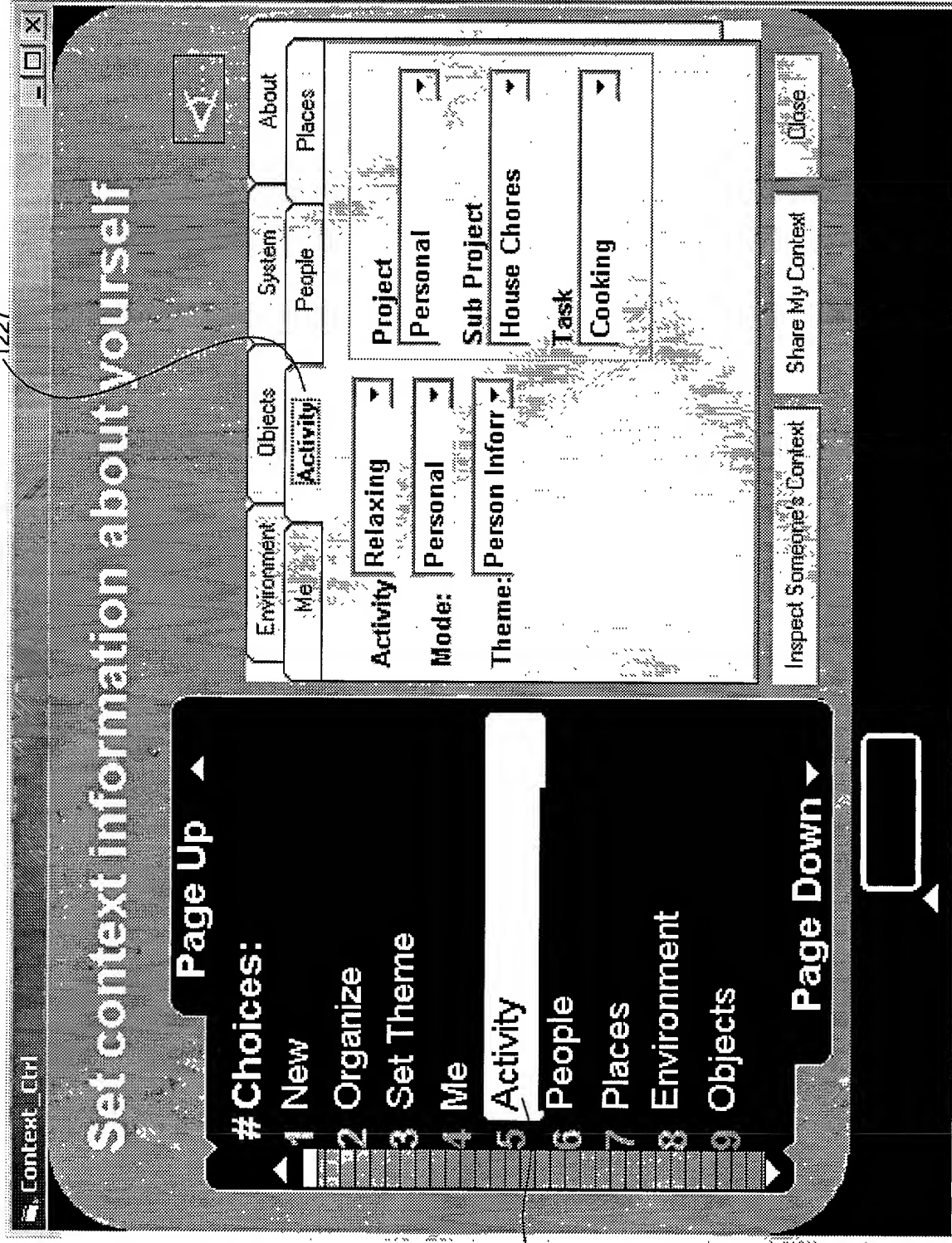


Fig. 12A

1227



1217

Fig. 12B

1241

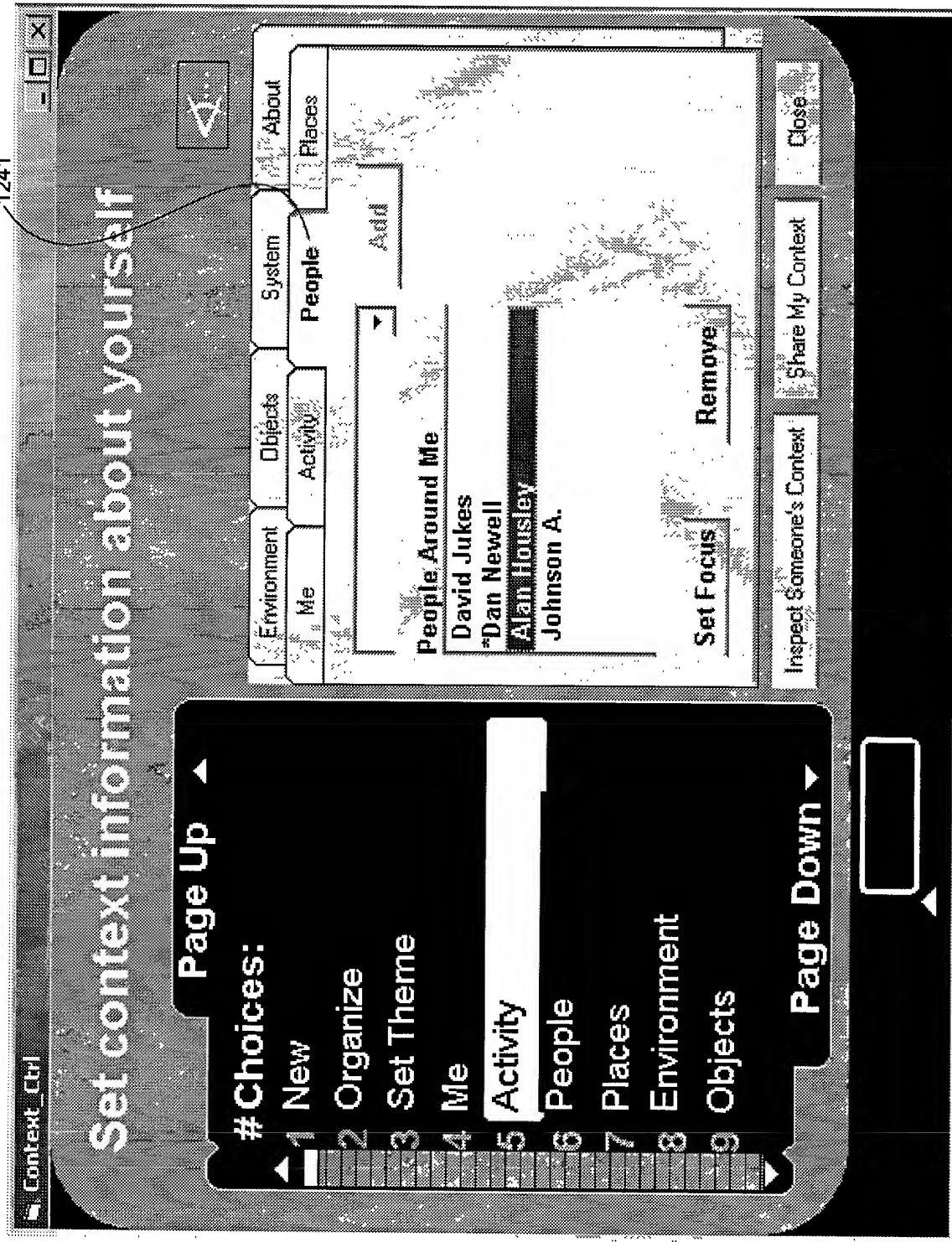


Fig. 12C

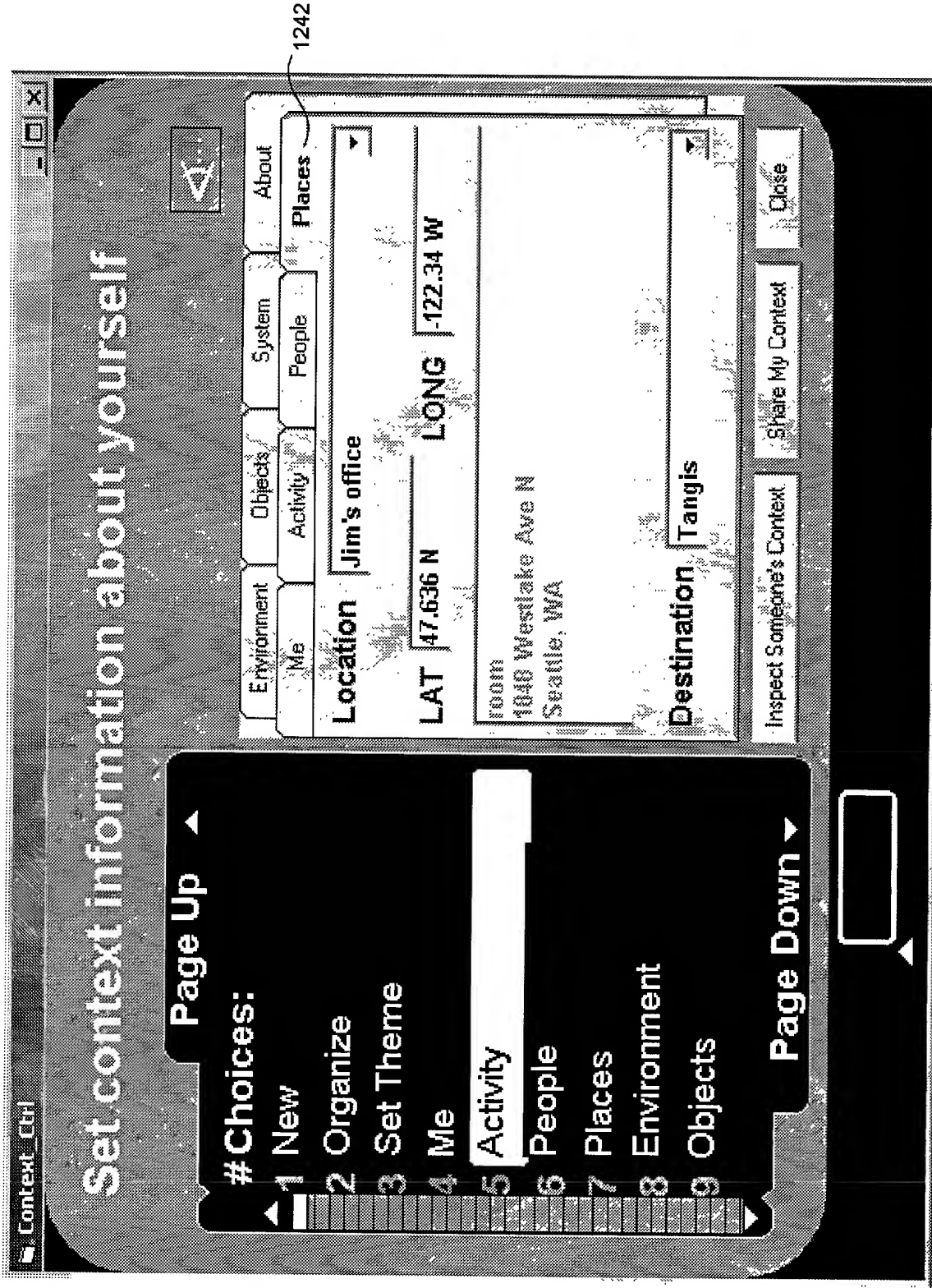


Fig. 12D

1243

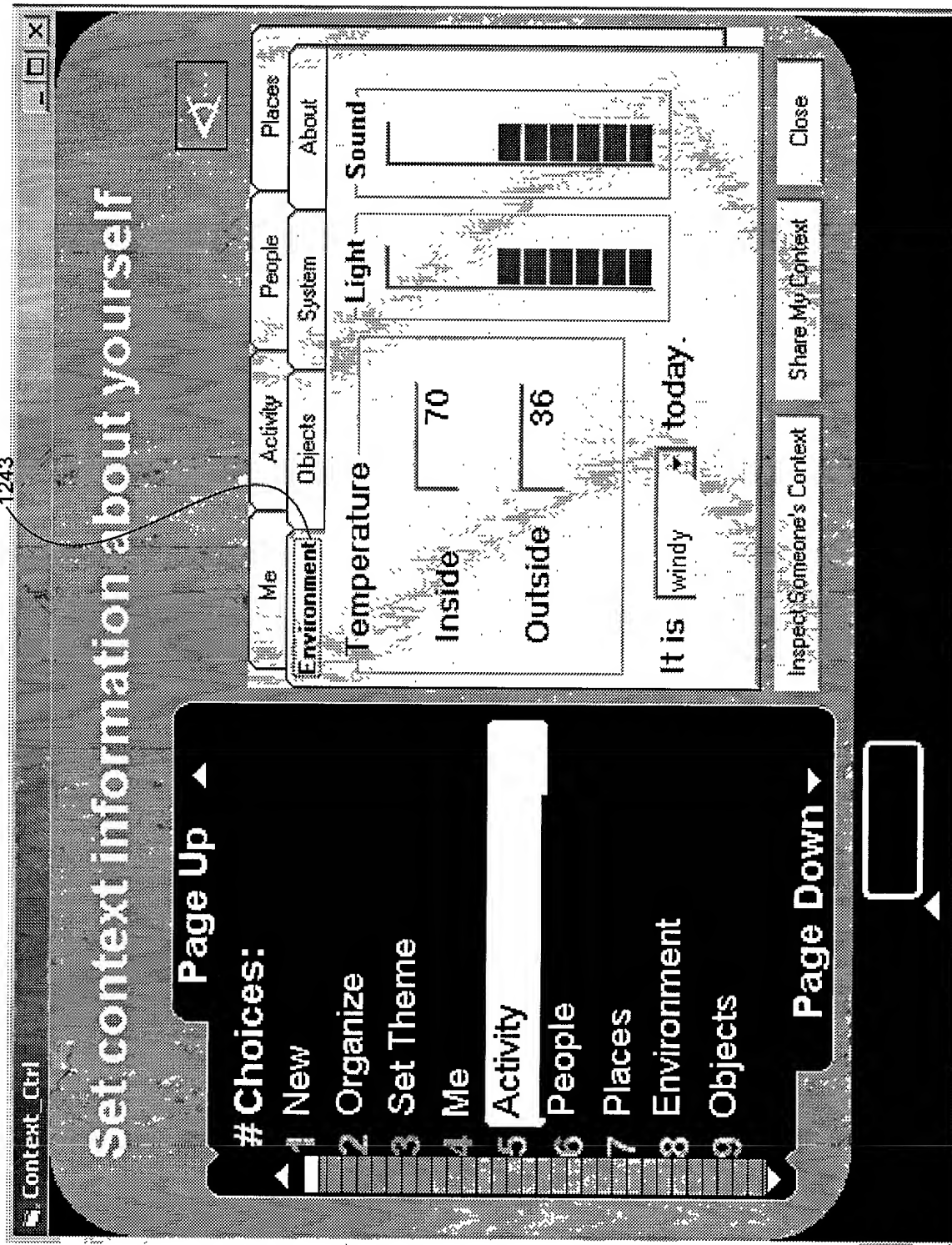


Fig. 12E

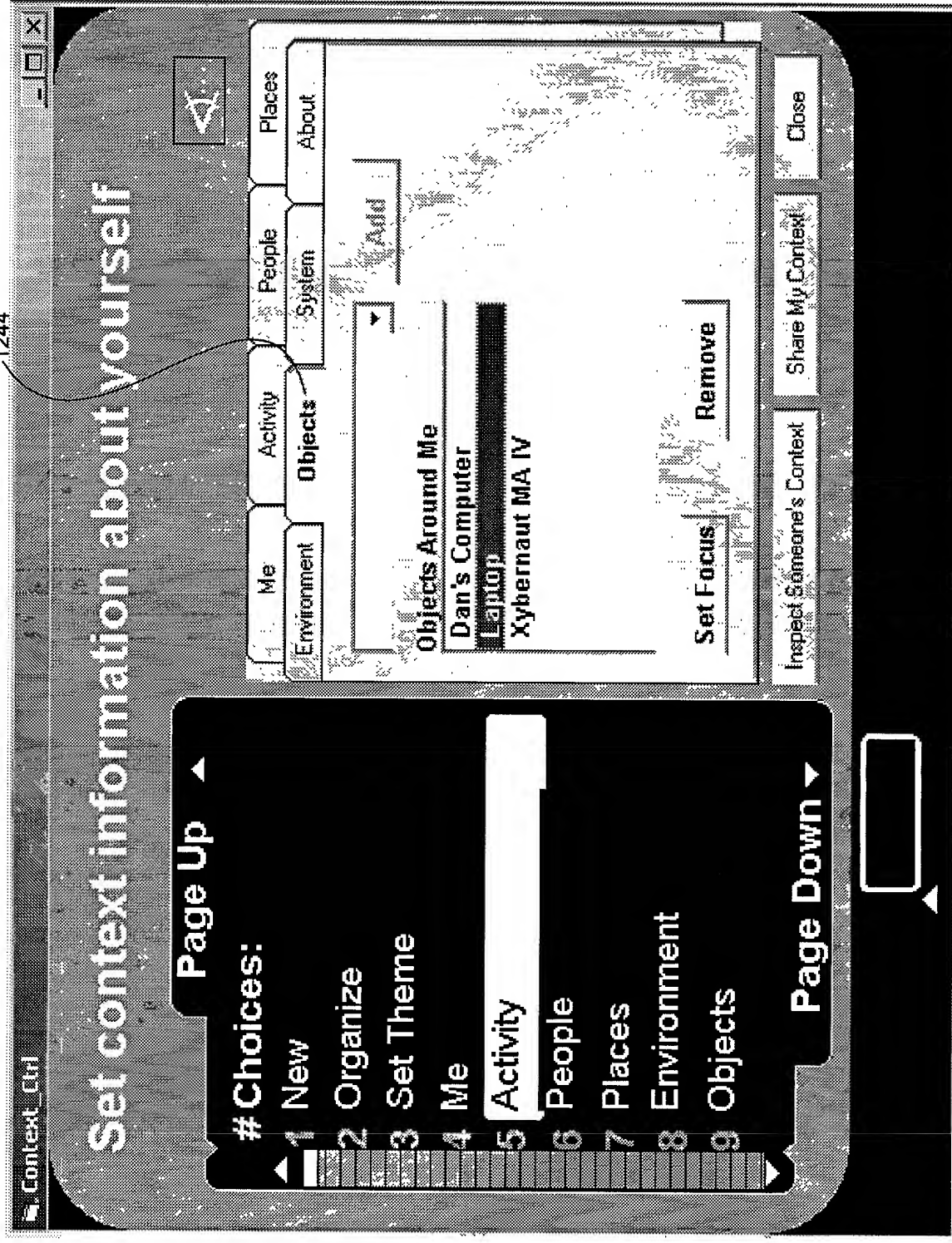


Fig. 12F

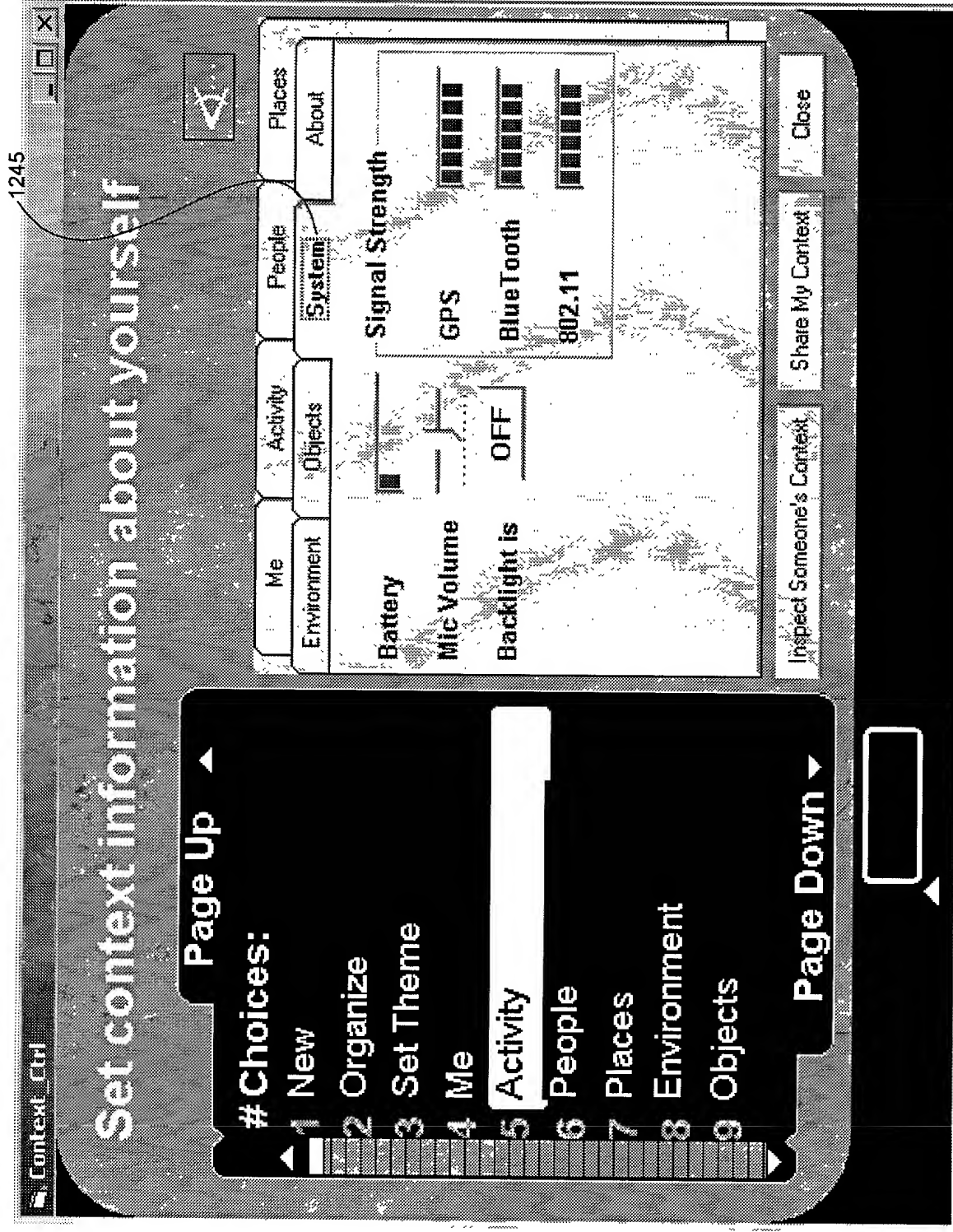


Fig. 12G

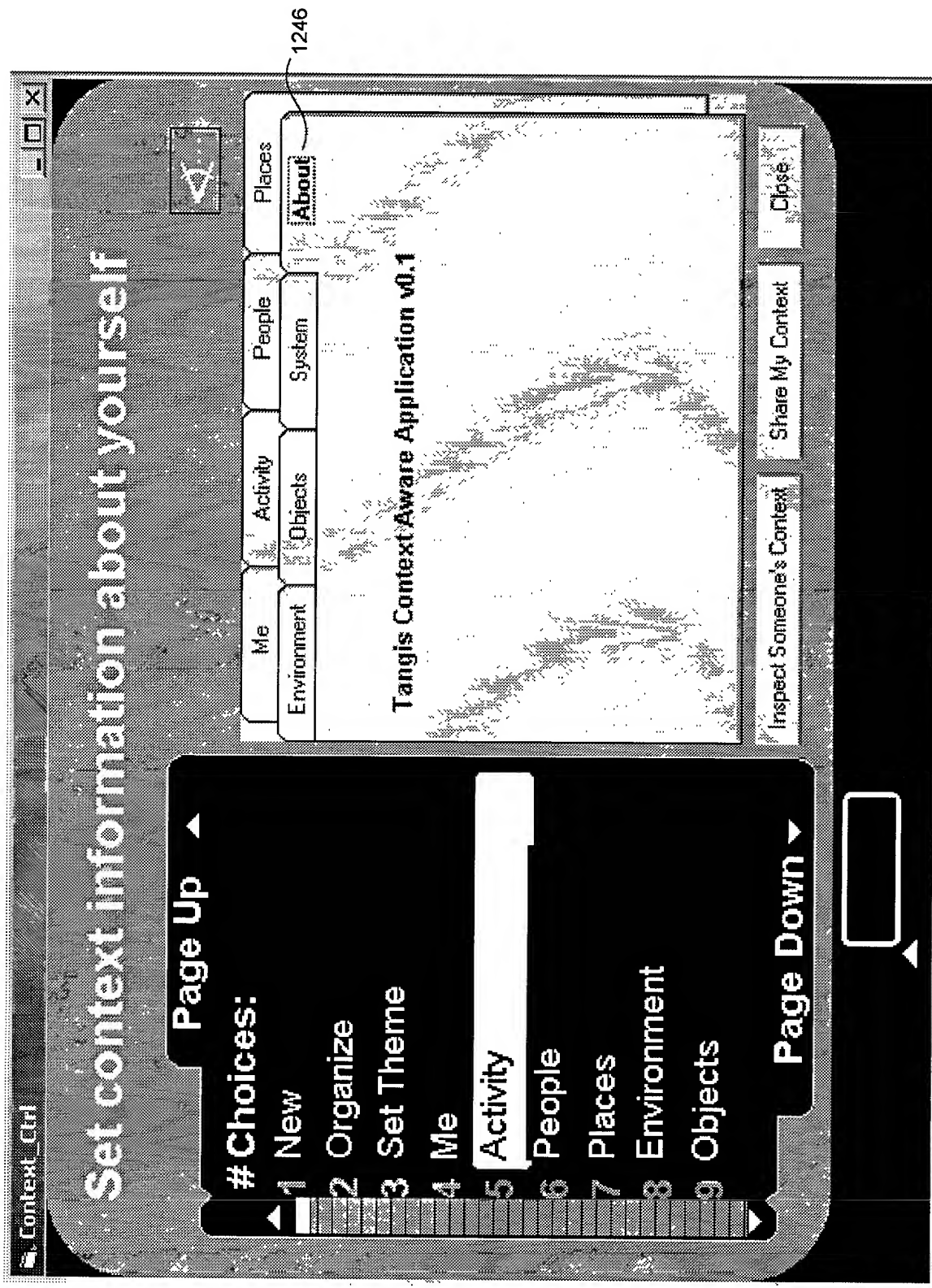


Fig. 12H

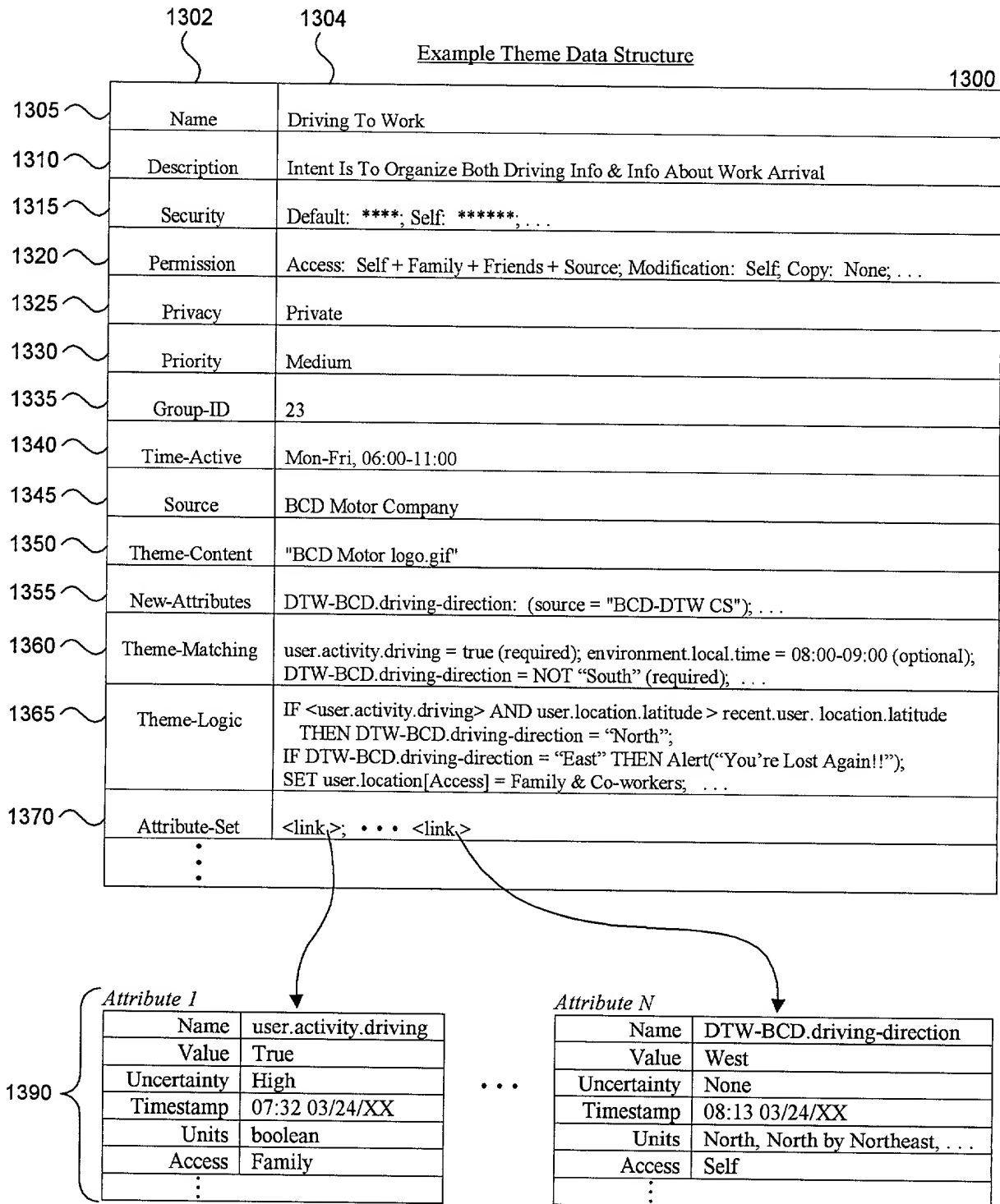


Fig. 13

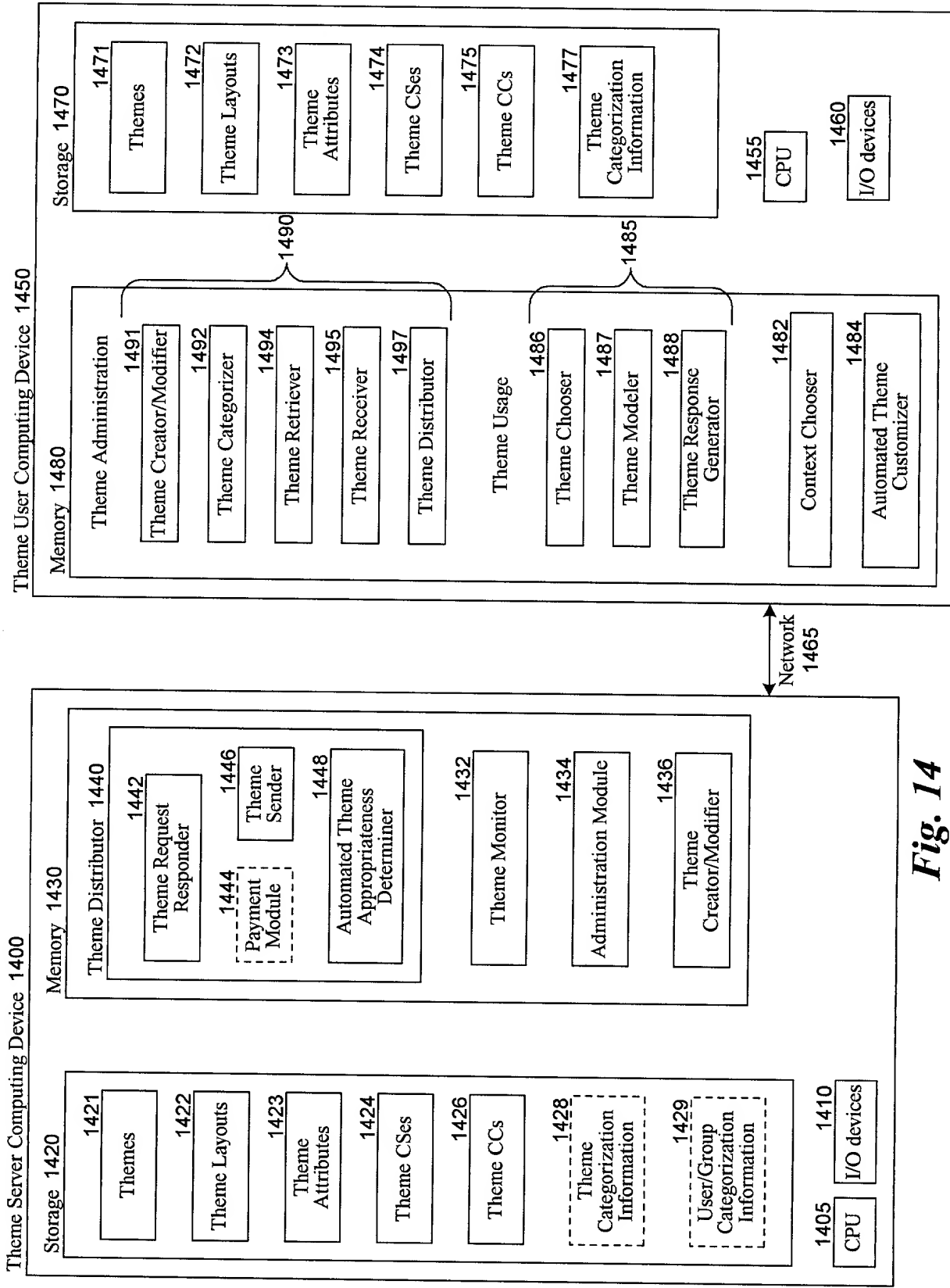


Fig. 14

Fig. 15

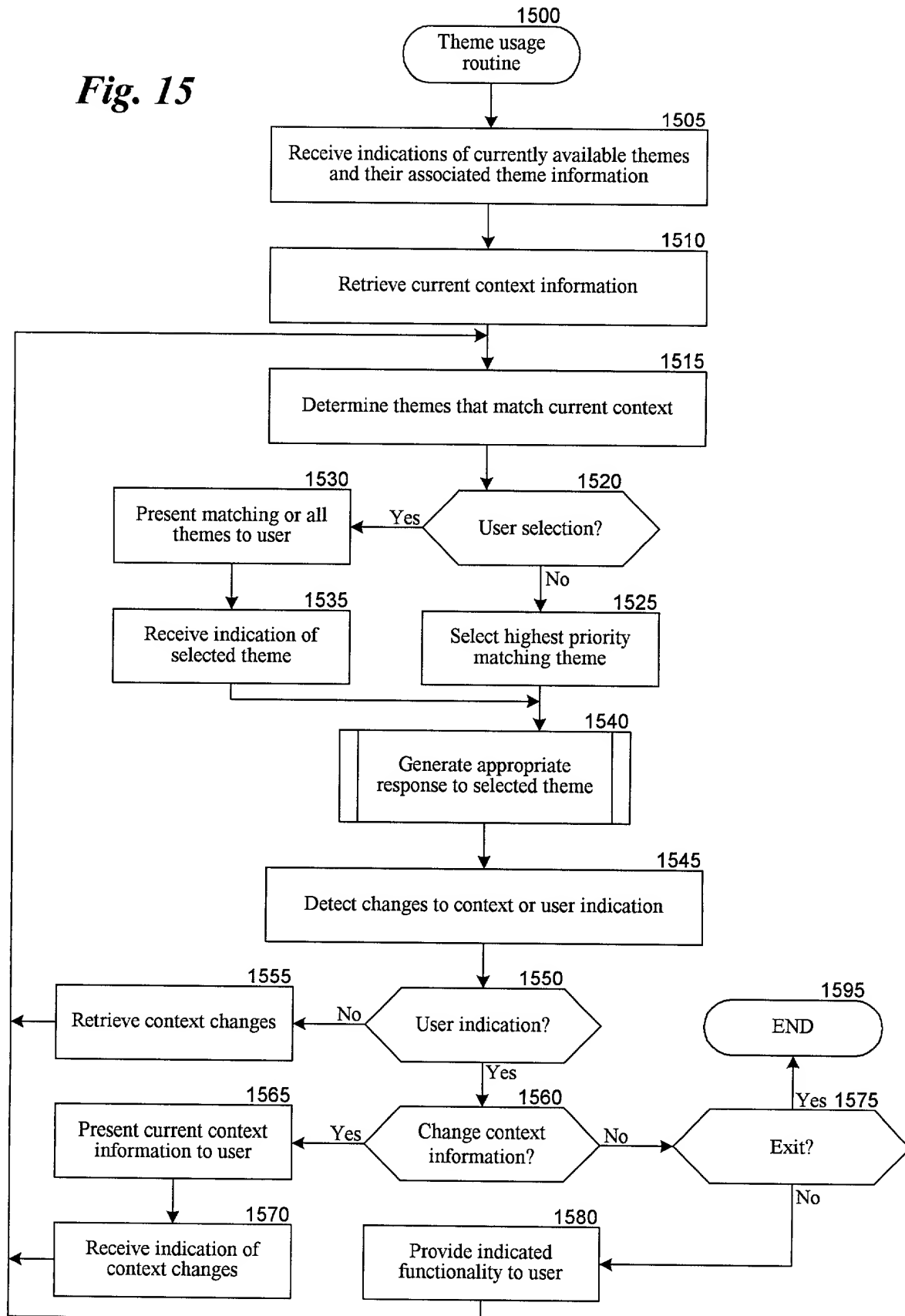


Fig. 16

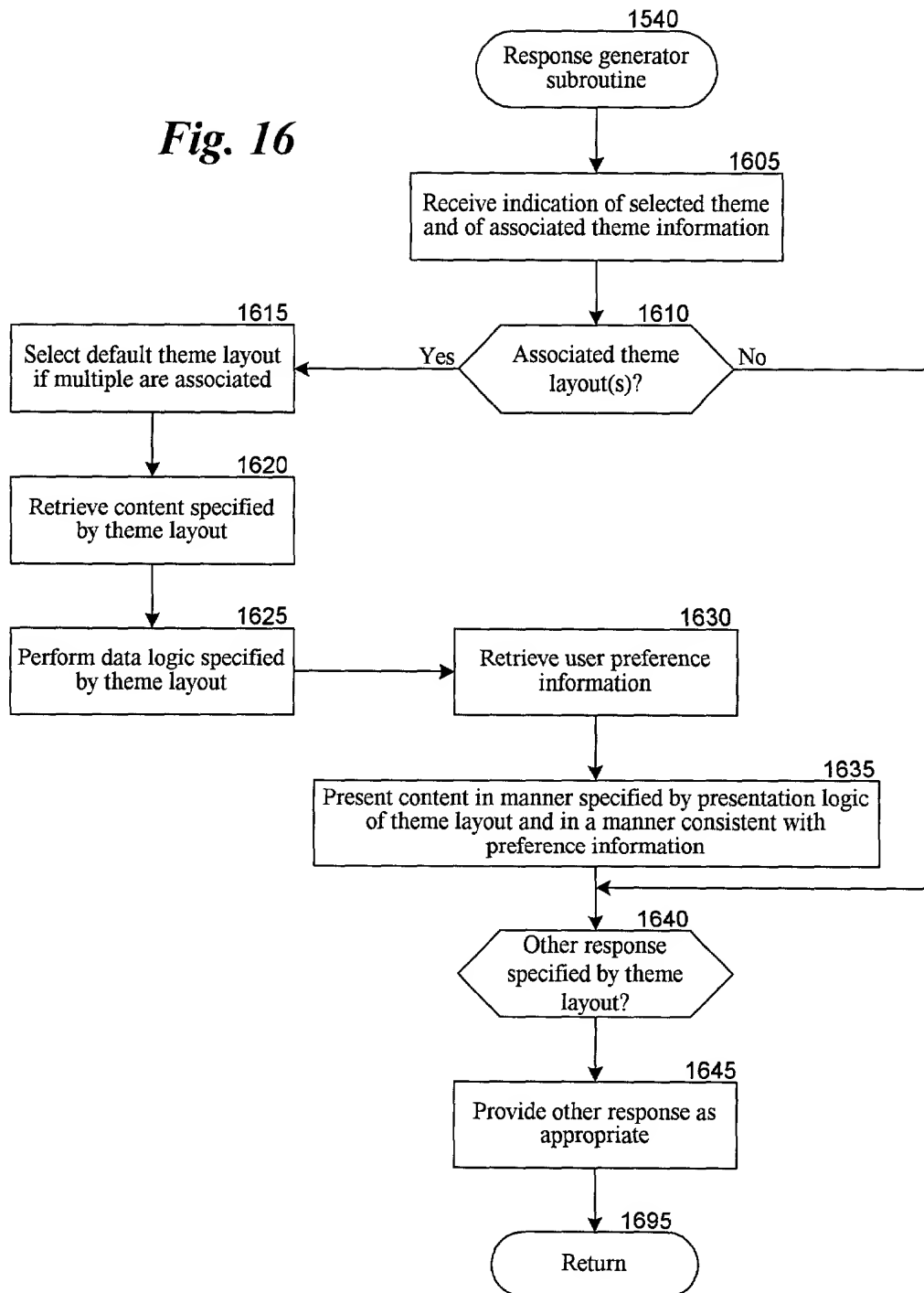


Fig. 17

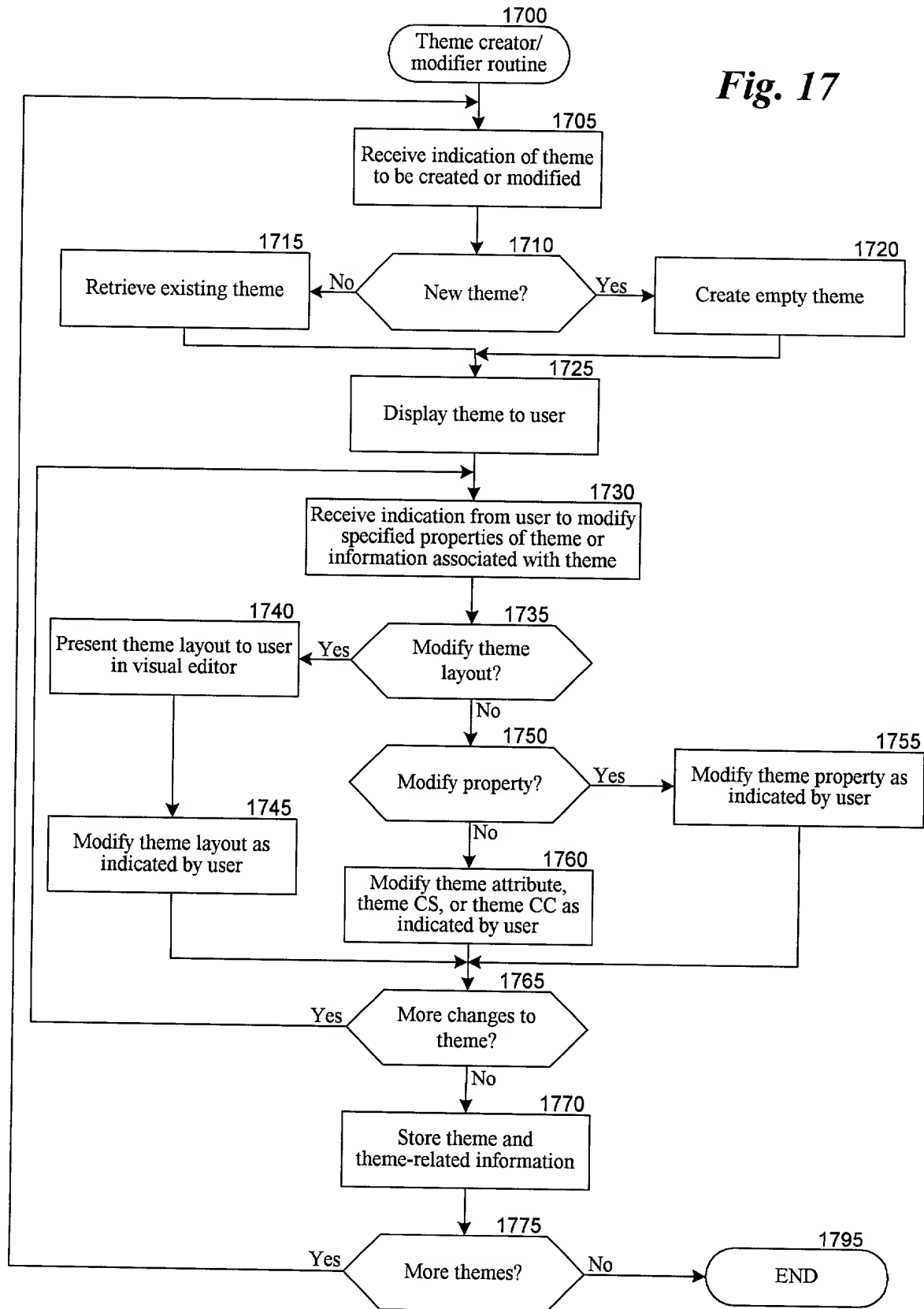


Fig. 18

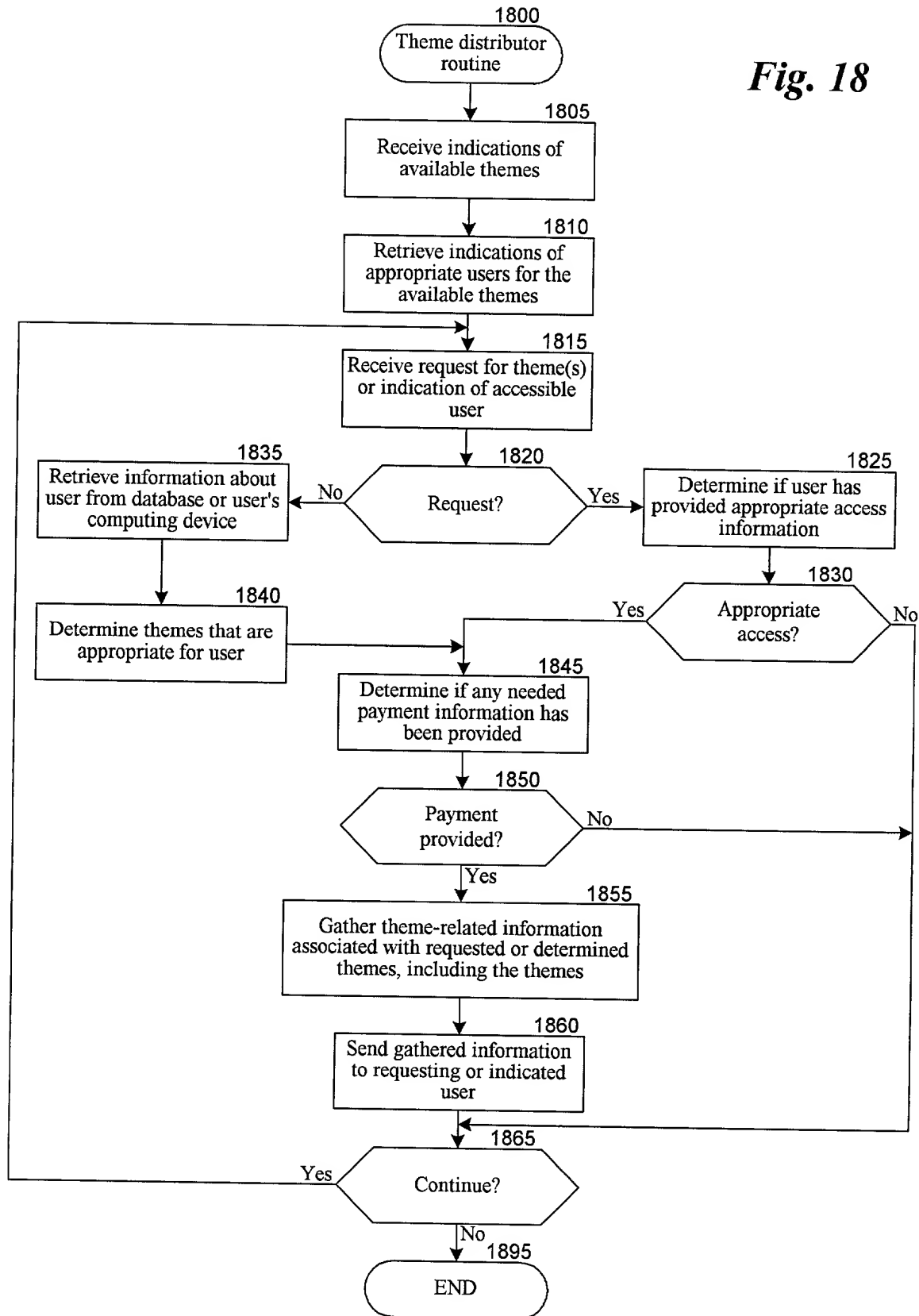
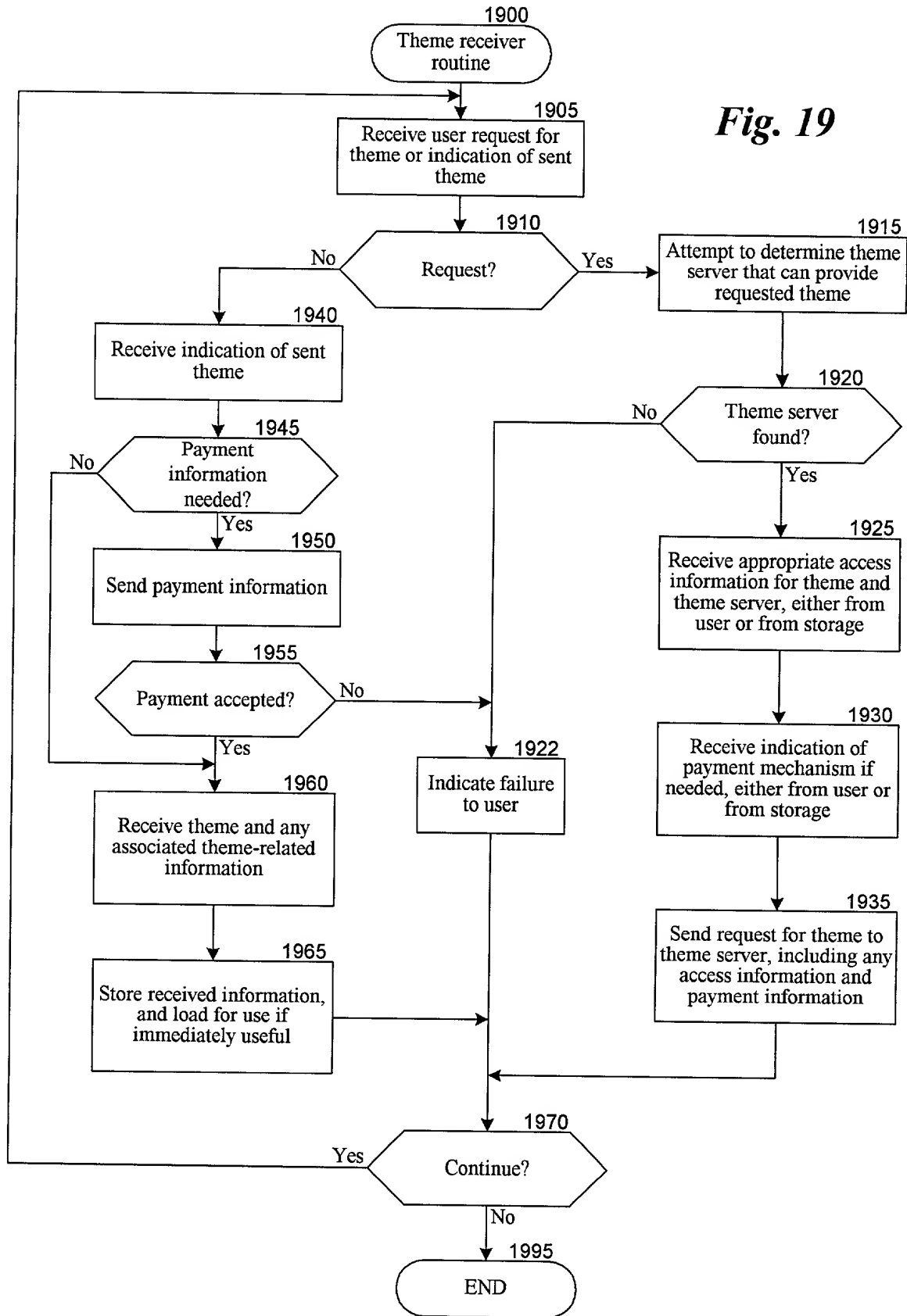


Fig. 19



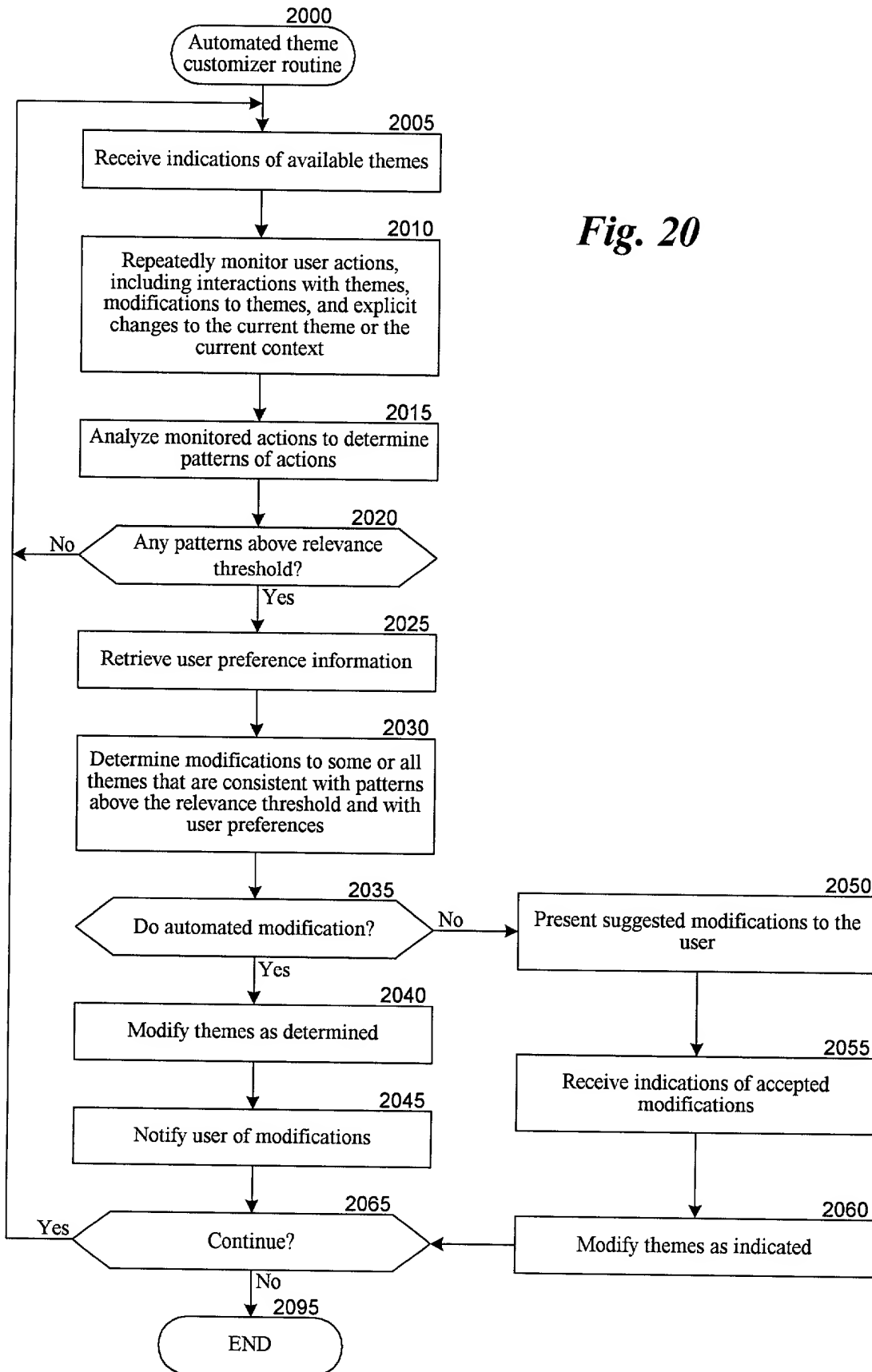


Fig. 20

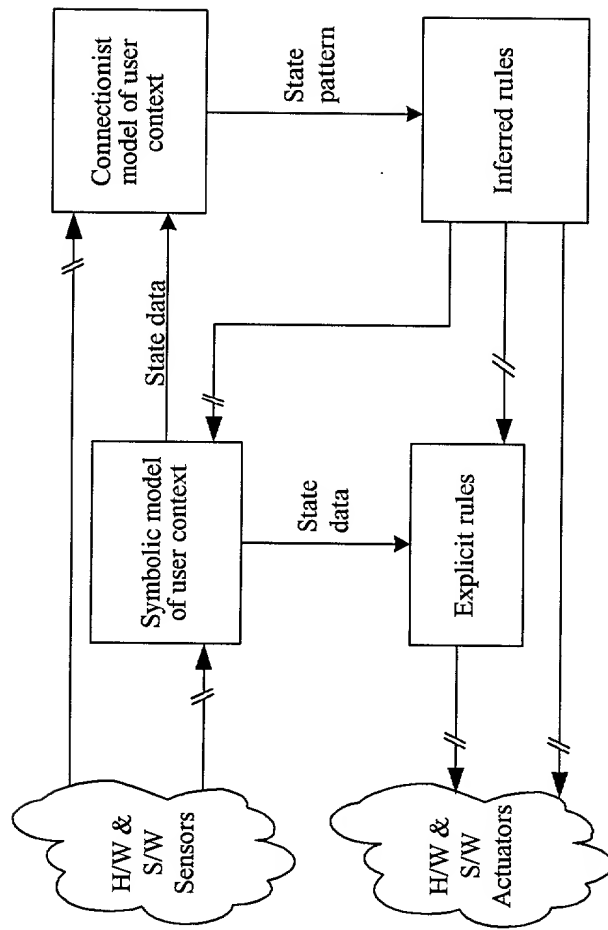
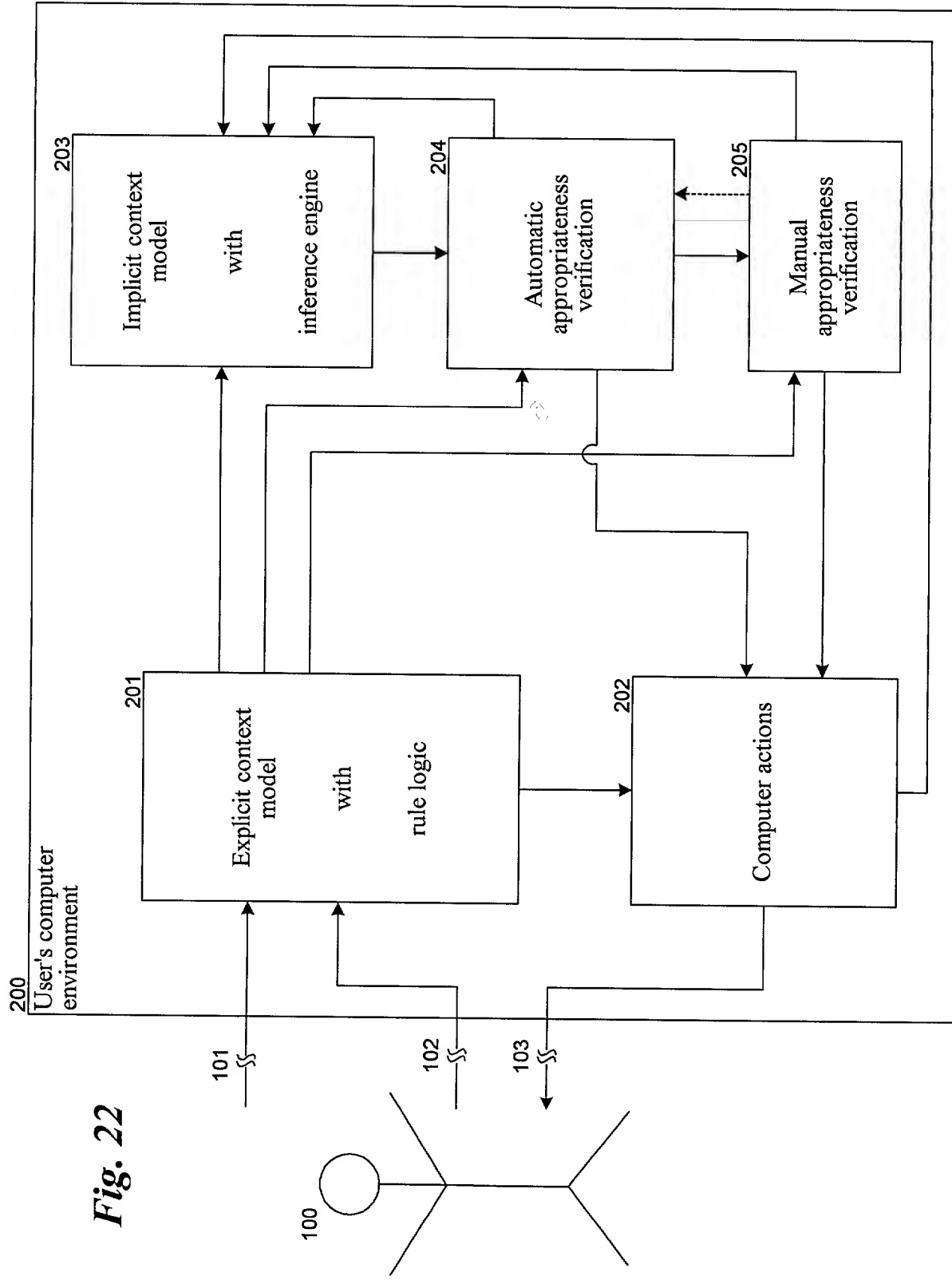


Fig. 21

Fig. 22



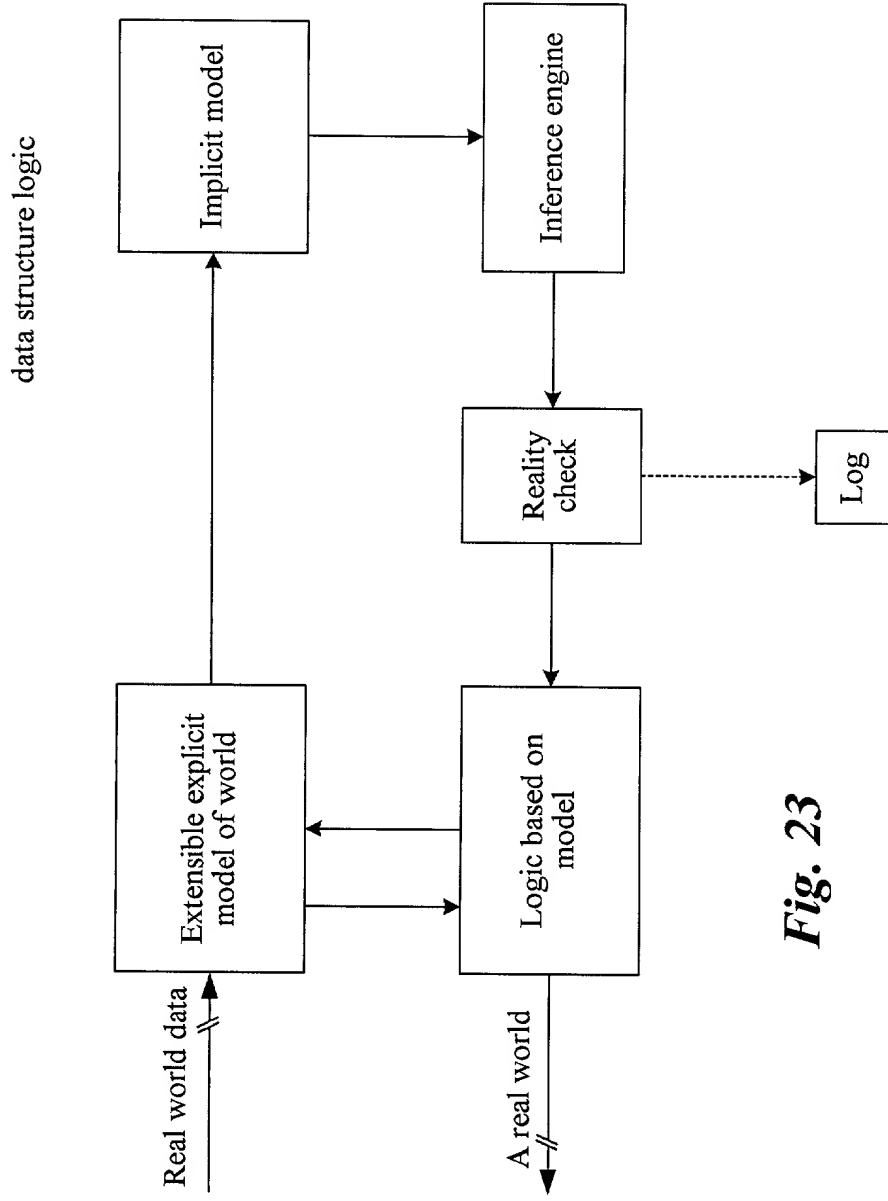


Fig. 23

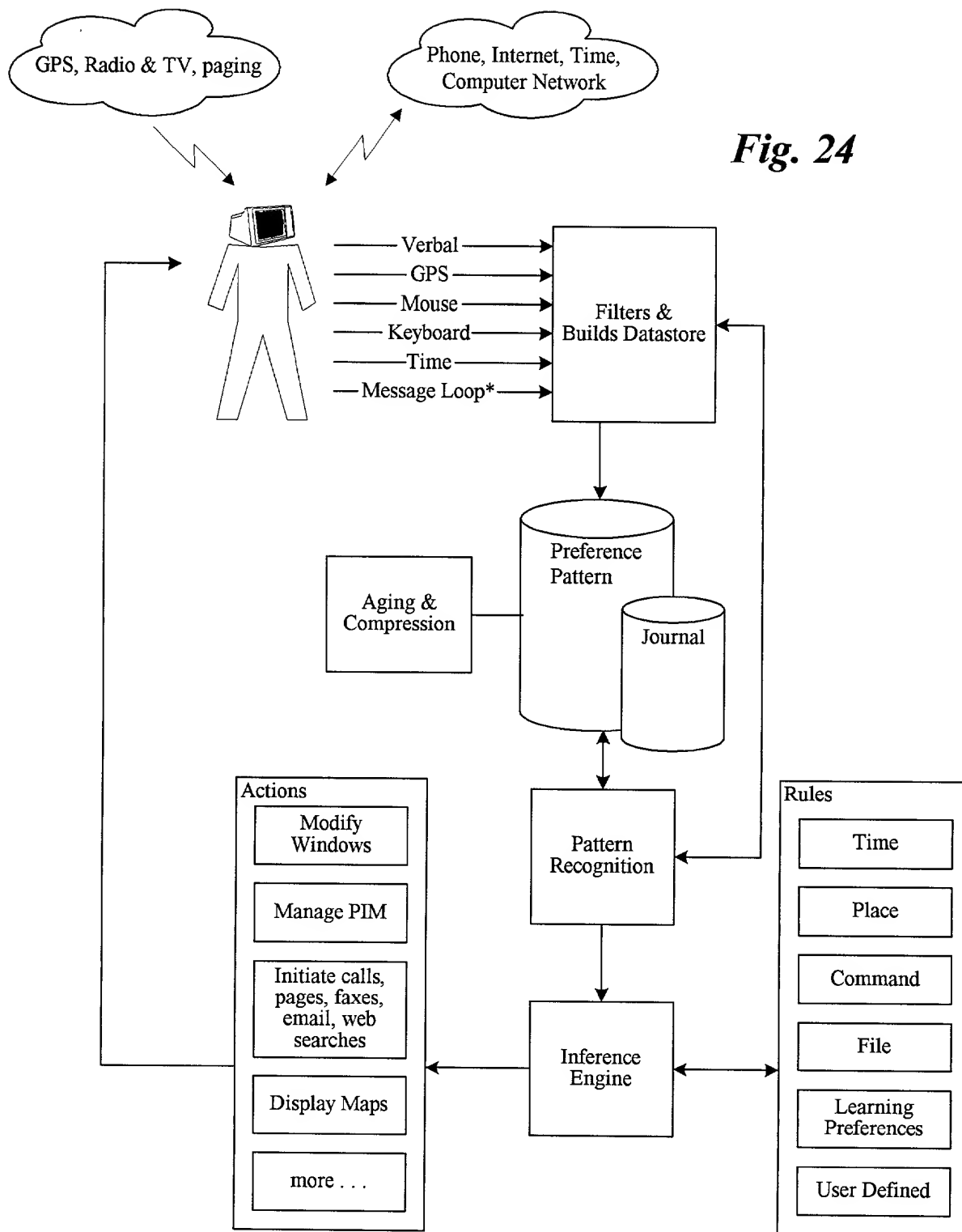


Fig. 24

Fig. 25

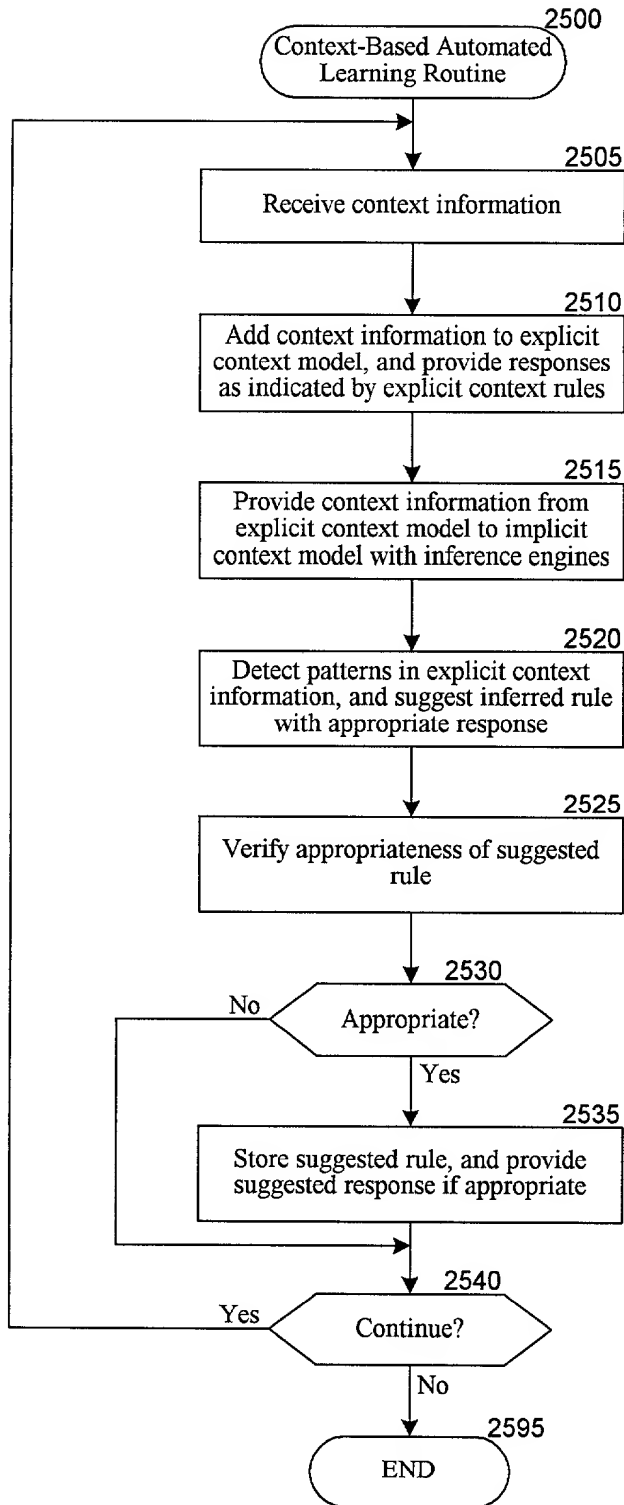


Fig. 26

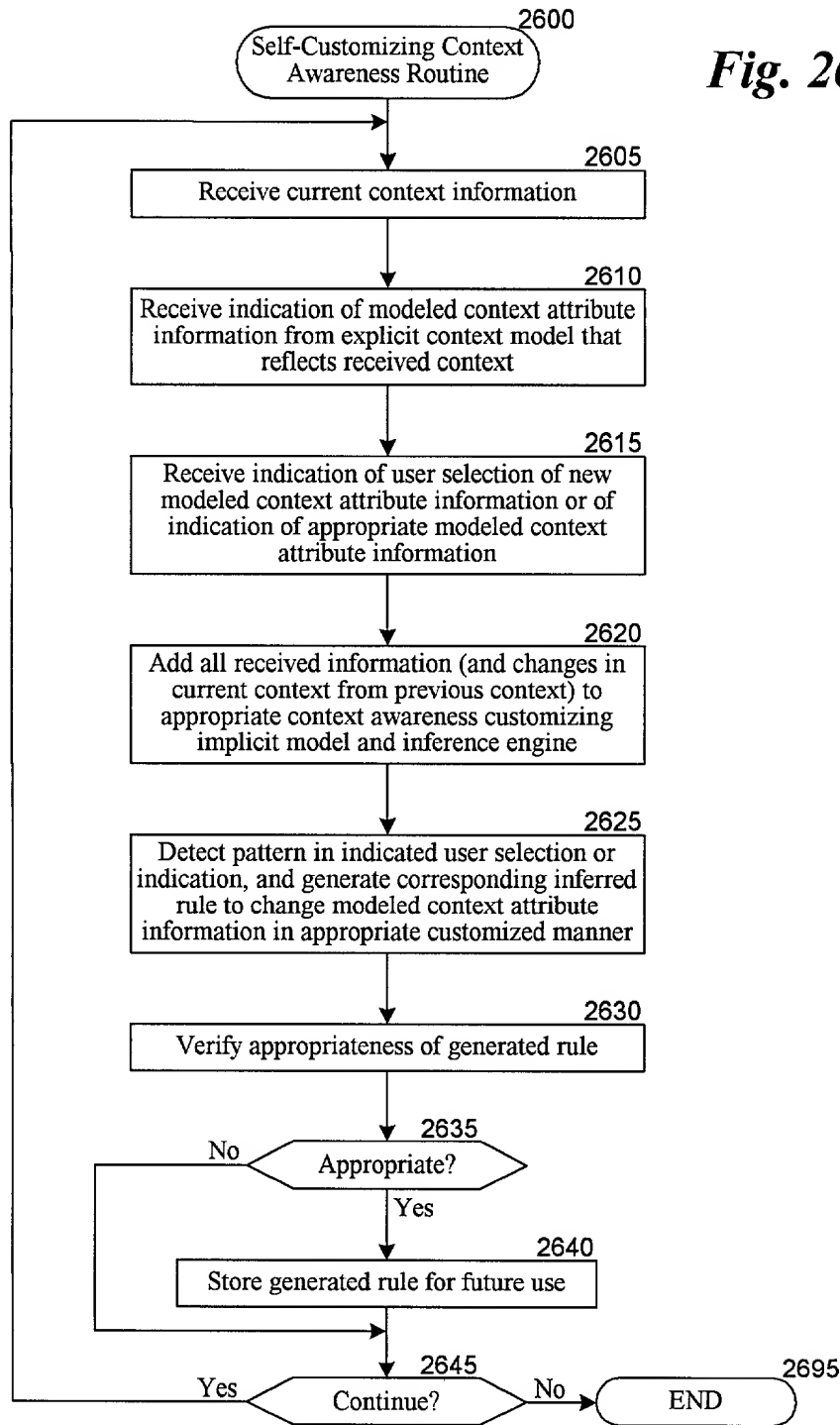


Fig. 27

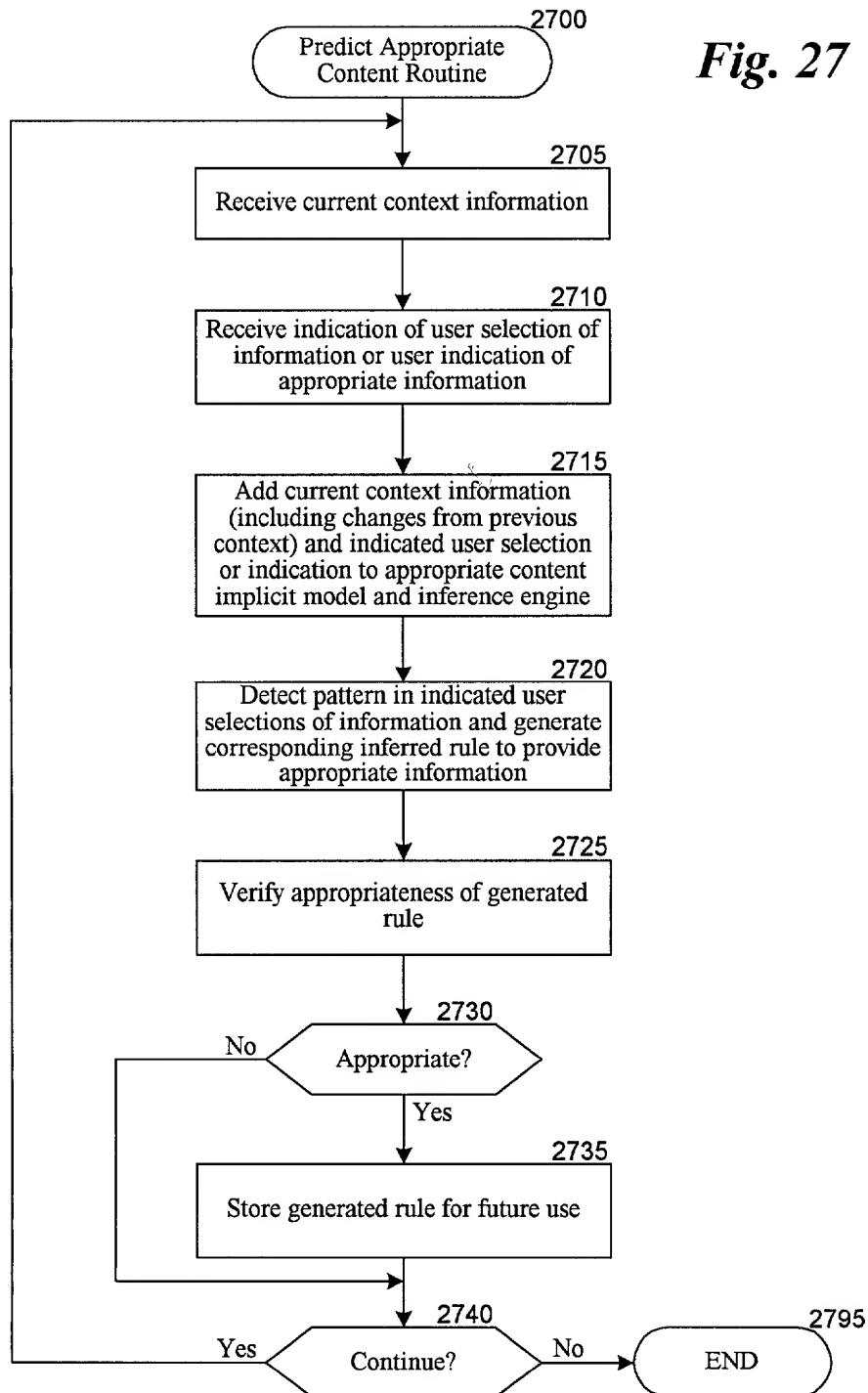


Fig. 28

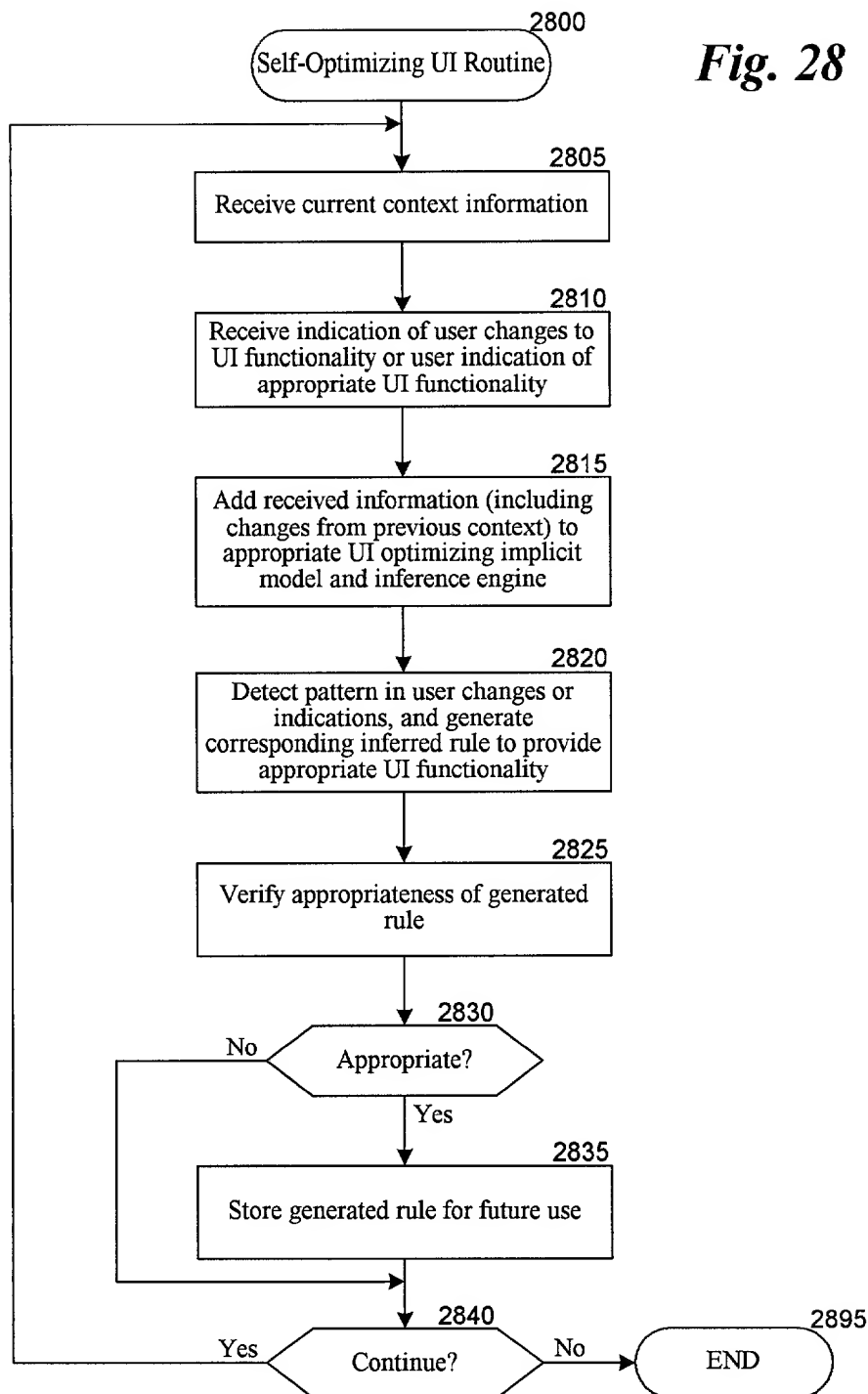


Fig. 29

